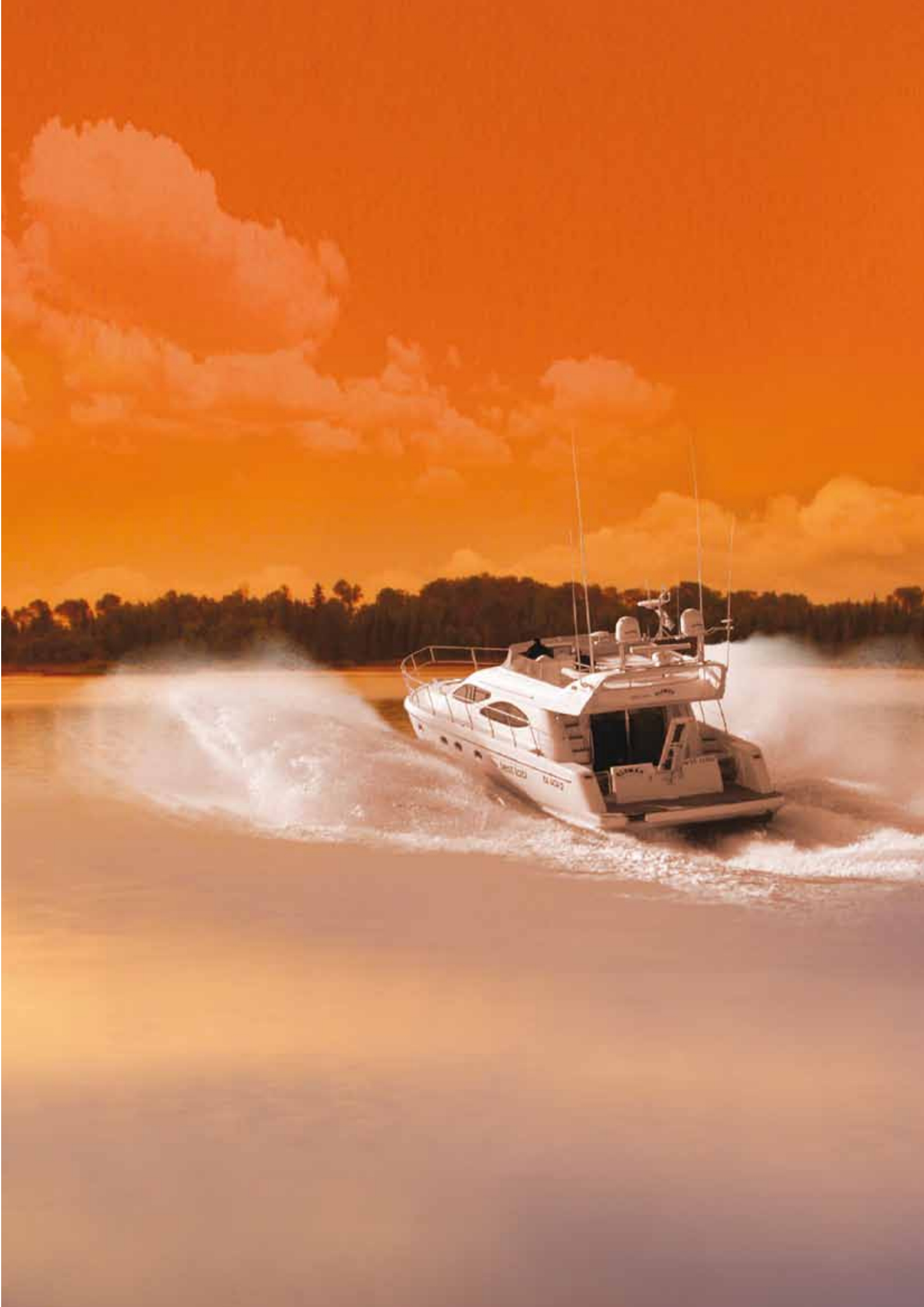
GLOMEX®

The best in marine antennas

MARINE ANTENNAS 2013 CATALOGUE



INDEX

Company profile 2
Lifetime warranty. 2
Test lab tested 3

SATELLITE TV ANTENNAS 4
Satellites position 4
Common features 4
Foot-print 5
Satellite TV antennas 6
Mounts & accessories 21
Glomex Control Units 22
V9500 Mounts 24

ANALOG-DIGITAL TV ANTENNAS 26
Omnidirectional analog-digital TV antennas 26
Directional analog-digital TV antennas 41
Accessories and spare parts 45

Quality of the raw materials 47
VHF ANTENNAS. 48
Aloud series 54
Classic series 64
High performance series 70
Masthead 74
Regatta & Emergency 76
Multipurpose 79

AIS ANTENNAS 81
SSB ANTENNAS 85
AM/FM ANTENNAS. 89

PROFESSIONAL ANTENNAS 95
VHF Professional 99
SSB Professional 106

MOBILE PHONE ANTENNAS 110
ORBCOMM ANTENNAS. 112
CB ANTENNAS 114

EXTENSIONS 116
MOUNTS & ACCESSORIES 119
Deck mounts. 120
Rail mounts 123
Masthead mounts 125
Electronic chart plotters mounts 126
Accessories 126
Ground plates 128
Marine waterproof speakers 129
Coaxial cables 130
Connectors. 132
Display & Packaging. 133

General technical information 135
Technical specifications. 138
Distributors 148

COMPANY PROFILE

Glomex is one of the leading companies in the production of antennas and entertainment systems for the nautical sector. Born in 1984 with the ambition to improve the reliability of the maritime telecommunications and to offer its customers quality products, efficiency, investments in technology and human resources, service and style. Today Glomex is a strong reality that has consolidated commercial partnerships all over the world, with own distributors and with the largest shipyards, and is the only company of this sector offering a lifetime warranty on its products. By paying attention to the quality of the raw materials and of the production processes, Glomex has understood the requirements of yachtsmen, always ensuring a radio contact with the earth and the reception of the satellite TV and terrestrial signals.
With Glomex, the best in marine antennas, you are never alone on the water.

PROFIL SOCIÉTAIRE

Glomex est une des sociétés leader dans la fabrication d'antennes et de systèmes de divertissement destinés au secteur nautique. Elle a été fondée en 1984 avec l'ambition d'améliorer la fiabilité des télécommunications maritimes et d'offrir à ses clients des produits et des services de qualité, en se distinguant par son professionnalisme, son efficacité, ses innovations technologiques et son style. Aujourd'hui, Glomex est une réelle force qui a consolidé des partenariats commerciaux dans le monde entier, avec ses distributeurs et avec les plus grands chantiers navals. Elle est aussi la seule société de ce secteur à offrir une garantie à vie sur ses produits. Très attentive à la qualité des matières premières et aux processus de fabrication, Glomex a compris les réelles exigences des plaisanciers, garantissant toujours un contact radio avec la terre et la réception des signaux TV satellites et terrestres.
Avec Glomex, le meilleur en antennes marines, vous n'êtes jamais seul sur l'eau.

PROFILO SOCIETARIO

Glomex è una delle aziende leader nella produzione di antenne e sistemi d'intrattenimento destinati al settore nautico. Nasce nel 1984 con l'ambizione di migliorare l'affidabilità delle telecomunicazioni marittime e offrire ai propri clienti qualità di prodotto e servizio, professionalità, innovazione tecnologica e stile. Oggi Glomex è una forte realtà aziendale che ha consolidato partnership commerciali in tutto il mondo, con i propri distributori e con i più grandi cantieri nautici, ed è l'unica azienda del settore che offre una garanzia a vita sui propri prodotti. Prestando attenzione alla qualità delle materie prime e dei processi produttivi, Glomex ha interpretato le reali esigenze dei diportisti, garantendo sempre un contatto radio con la terra ferma e la ricezione dei segnali TV satellitari e terrestri.
Con Glomex, the best in marine antennas, non sarai mai solo in mare.

LIFETIME WARRANTY

Glomex warrants its products (for VHF, CB, TV, AM/FM, ORBCOMM, AIS, SSB and MOBILE PHONE) and related mounts to be free of production defects for as long the products remain the property of the original purchaser. Glomex commits itself to repair and to replace the products that, after inspection, show conformity defects, relating to materials and to working and production processes. No material will be repaired or replaced without written authorization from Glomex or its assigned representatives. Glomex is in no event liable for consequential damages, installation costs or costs of any nature incurred as a result of the use of the products manufactured by Glomex, whether used in accordance with instruction and maintenance or not. Glomex is not liable for repair or replacement of any products damaged by lighting or any other natural phenomenon or incorrect installation including reverse polarity connections. Proof of purchase is required and all shipping costs of the material returned are at claimer's charge.

GARANTIE À VIE

Glomex garantit ses antennes (VHF, CB, TV, AM/FM, ORBCOMM, AIS, BLU et TÉLÉPHONES MOBILES) et ses supports contre d'éventuels défauts de fabrication, aussi longtemps que le produit reste la propriété de l'acheteur initial. Glomex s'engage à réparer et à remplacer les produits, qui après un soigneux contrôle, présentent des défauts de conformité des matériaux et des défauts de fabrication. Aucun produit ne pourra être réparé ni remplacé sans autorisation écrite de Glomex ou de ses représentants autorisés. Glomex décline toute responsabilité en cas de dommages indirects, de coûts d'installation ou de frais de tout autre nature résultant de l'utilisation de ses produits, indépendamment du fait que le mode d'emploi et les conseils concernant l'entretien aient été suivis ou non. Glomex ne pourra être tenue à réparer ou à remplacer tout produit endommagé par la foudre ou par tout autre phénomène naturel ou bien par une mauvaise installation y compris les inversions de polarité. Une preuve d'achat sera exigée et tous les coûts d'expédition du matériel retourné seront à la charge du demandeur.

GARANZIA A VITA

Glomex garantisce le proprie antenne (VHF, CB, TV, AM/FM, ORBCOMM, AIS, SSB e PER CELLULARI) e i relativi supporti contro i difetti di fabbricazione, fin quando i prodotti rimangono di proprietà dall'acquirente iniziale. Glomex si impegna a riparare o sostituire i prodotti che, dopo un accurato controllo, presentino difetti di conformità dei materiali e di lavorazione imputabili al processo di fabbricazione. Nessun prodotto potrà essere riparato o sostituito senza un'autorizzazione scritta da Glomex, o dai suoi rappresentanti autorizzati. Glomex non è responsabile dei danni indiretti, dei costi d'installazione o dei costi di altra natura derivanti dall'utilizzo dei suoi prodotti, indipendentemente dal fatto che siano state seguite, o meno, le istruzioni d'uso e manutenzione. Glomex non risponde dei prodotti danneggiati da fulmini o da qualsiasi altro fenomeno naturale o da un'errata installazione, incluse le connessioni a polarità invertite. È necessario esibire la prova d'acquisto e tutti i costi di trasporto del materiale reso sono a carico del richiedente.

NOTE:
Specifications may change without notice.
Les caractéristiques techniques peuvent changer sans préavis.
Le specifiche potrebbero cambiare senza preavviso.

THE PRODUCTS WITH THE TLT LOGO HAVE BEEN TESTED AT SEA ON THE GLOMEX TEST LAB

TLT (acronym for Test Lab Tested) is the abbreviation carried by the Glomex products, which have undergone rigid quality tests in marine environment and on board of the Test Lab, before being traded. The Test Lab is a boat arranged with all necessary installation for a direct test on Glomex product reliability. Before being placed on board the Test Lab, Glomex products pass resistance tests (UV-ray exposure, mechanical, electric and electronic strain) realized for one year directly inside the company. At the end of this complex trial, the Glomex products pass to the Test Lab in order to faithfully reproduce the conditions to which an antenna is exposed during cruising and to test their real performances. The acronym TLT is then synonymous with research, development, experimentation and quality assurance.

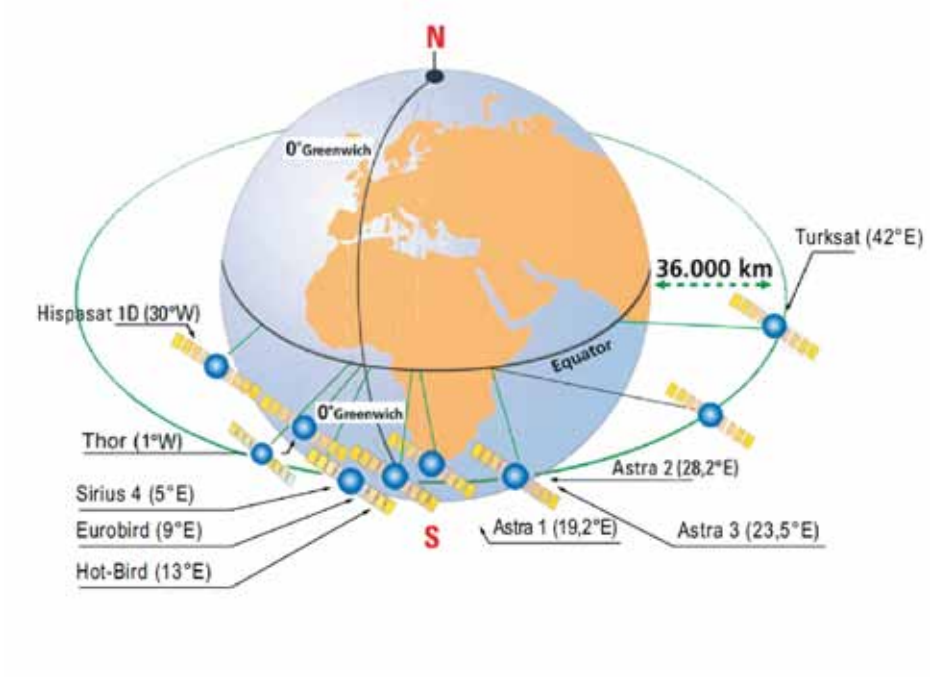
LES PRODUITS AVEC LE SIGLE TLT ONT ÉTÉ TESTÉS EN MER SUR LE BATEAU TEST LAB DE GLOMEX

TLT (acronyme de Test lab Tested, testé en laboratoire) est le sigle utilisé sur les produits Glomex qui ont été soumis à de sévères tests de qualité en environnement marin et à bord du Test Lab, avant d'être commercialisés. Le Test Lab est un bateau équipé de toutes les installations nécessaires pour contrôler directement en mer la fiabilité des produits Glomex. Avant d'arriver à bord du Test Lab, les produits Glomex doivent passer des tests de résistance (mécanique, électrique et électronique, ainsi qu'aux rayons UV) réalisés pendant un an directement à l'intérieur de l'usine Glomex. C'est seulement au terme de ce processus complexe de contrôle que les produits Glomex sont transférés au Test Lab, afin de reproduire fidèlement les efforts auxquels une antenne est exposée au cours de la navigation et d'en tester ses performances réelles. L'acronyme TLT est donc synonyme de recherche, de développement, d'expérimentation et de garantie de qualité.

I PRODOTTI CON IL LOGO TLT SONO STATI TESTATI IN MARE SUL GLOMEX TEST LAB

TLT (acronimo di Test Lab Tested) è la sigla riportata sui prodotti Glomex che sono stati sottoposti a rigidi test di qualità in ambiente marino, a bordo del Test Lab, prima di essere immessi sul mercato. Il Test Lab è un'imbarcazione allestita con tutti gli impianti necessari per collaudare direttamente sul campo l'affidabilità dei prodotti Glomex. Prima di arrivare a bordo del Test Lab i prodotti Glomex devono superare i test di resistenza (ai raggi UV, meccanica, elettrica ed elettronica) realizzati direttamente in azienda per un anno intero. Solo a termine di questo complesso processo di verifica, i prodotti Glomex vengono trasferiti a bordo del Test Lab per riprodurre fedelmente le sollecitazioni a cui un'antenna è sottoposta nel corso della navigazione, e testarne le effettive performances. L'acronimo TLT, quindi, è sinonimo di ricerca, sviluppo, sperimentazione e garanzia di qualità.

SATELLITES POSITION



INFORMATION ABOUT TV AND RADIO SATELLITES POSITION

The satellites for telecommunication are positioned on a geostationary orbit around the earth, synchronized with terrestrial rotation and relatively static according to the Greenwich meridian, at a height of about 36.000 km above the equator. The satellites are fed by solar panels and they concentrate the transmission of the signal on relatively small terrestrial areas (footprint.) The effect of the satellites' signal is of highest intensity particularly in the centre of the area and weaker at the extremities. The footprints show the satellite coverage areas of the main earth satellites interacting with Glomex satellite antennas.

INFORMATIONS SUR LE POSITIONNEMENT DES SATELLITES RADIO ET TV

Les satellites pour les télécommunications sont situés sur une orbite géostationnaire tout autour de la Terre synchronisée avec la rotation de la Terre et relativement statique par rapport au méridien de Greenwich, à une altitude d'environ 36.000 km au-dessus de l'équateur. Les satellites sont alimentés par des panneaux solaires et ils concentrent la transmission du signal sur des zones terrestres relativement petites (foot-print). Le signal du satellite est au maximum de son intensité au centre de la zone et va en s'atténuant vers ses extrémités. Les foot-prints montrent les zones de couverture des principaux satellites sur la Terre au moyen des antennes satellitaires Glomex.

INFORMAZIONI SUL POSIZIONAMENTO DEI SATELLITI RADIO E TV

I satelliti per le telecomunicazioni sono posizionati in un'orbita geostazionaria intorno alla Terra, sincronizzata con la rotazione terrestre e relativamente statica rispetto al meridiano di Greenwich, ad un'altitudine di circa 36.000 km sopra l'equatore. I satelliti sono alimentati da pannelli solari e concentrano l'emissione del segnale su aree terrestri relativamente piccole (foot-print). L'effetto del segnale satellitare è di massima intensità al centro dell'area e va attenuandosi alle estremità. Nei foot-print riportati sono illustrate le zone di copertura dei principali satelliti sulla Terra, utilizzando le antenne satellitari Glomex.

COMMON FEATURES

DIGITAL VIDEO BROADCASTING

CRJ COAXIAL ROTATING JOINT

MCRJ MULTI OUTPUT COAXIAL ROTATING JOINT

It allows the antenna to turn infinitely on itself on the azimuth axis, since no coaxial cable wrapping is needed.

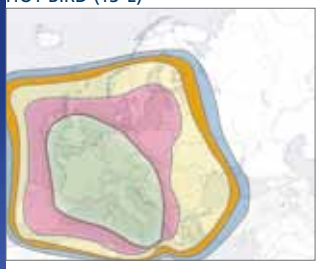
EGS ELECTRONIC GYRO STABILIZED

The electronic gyroscopes installed directly on the antenna's dish allow to counterbalance the movements of the boat, thus obtaining the fastest and most precise rolling and pitching compensation available today on the market

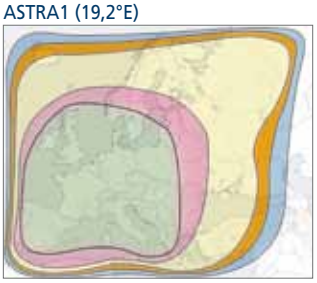
GPS

NO GPS CONNECTION

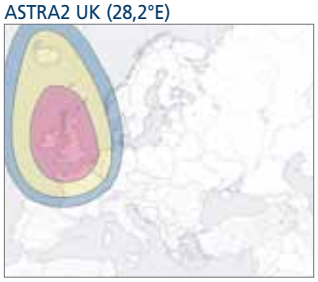
HOT BIRD (13°E)



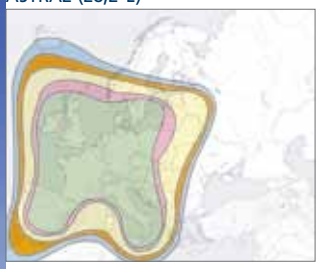
ASTRA1 (19,2°E)



ASTRA2 UK (28,2°E)

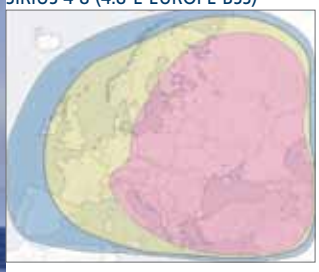


ASTRA2 (28,2°E)

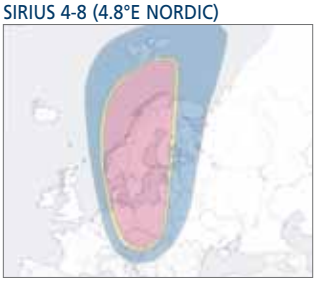


THOR (1°W NORDIC)

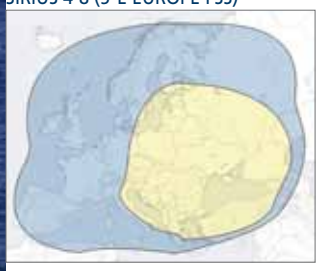
SIRIUS 4-8 (4.8°E EUROPE BSS)



SIRIUS 4-8 (4.8°E NORDIC)

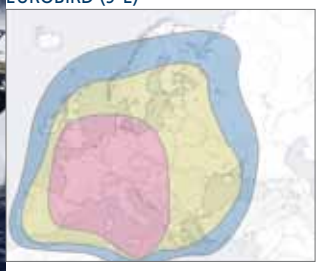


SIRIUS 4-8 (5°E EUROPE FSS)

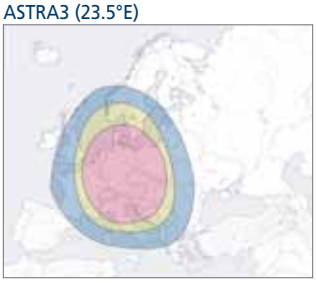


THOR (1°W EUROPE)

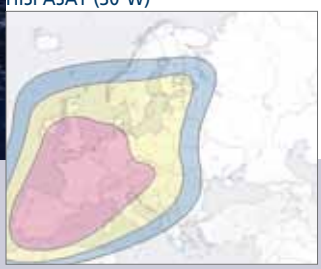
EUROBIRD (9°E)



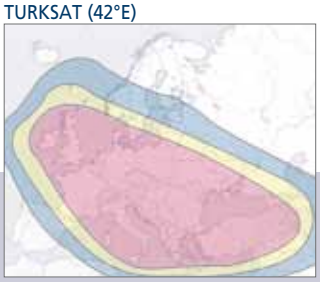
ASTRA3 (23.5°E)



HISPASAT (30°W)



TURKSAT (42°E)



FOOT-PRINT BY ANTENNA SIZE

These maps show the satellite coverage area for each Glomex satellite TV antennas. The performance of the satellite antenna is affected by meteorological conditions from the navigation area (in the case of bad weather, signals will be weaker and the image quality could decrease, it can even completely fade.) Each satellite covers a specific geographic area and the size of the dish should be suitable for signal reception in the places of your stay.

ZONE DE COUVERTURE SELON LA DIMENSION DE L'ANTENNE

Les cartes montrent la zone de couverture du satellite pour chaque antenne Glomex. La performance des antennes satellitaires dépend des conditions météorologiques (en cas de mauvais temps les signaux deviennent plus faibles et la qualité de l'image pourrait diminuer et l'image elle-même disparaître), de la zone de navigation (chaque satellite couvre une zone géographique spécifique) et de la dimension de l'antenne (la dimension du disque parabolique doit être capable de recevoir le signal dans les lieux choisis).

FOOT-PRINT PER DIMENSIONE ANTENNA

Nelle mappe sono rappresentate le zone di copertura di ogni satellite per ciascuna antenna Glomex. La performance delle antenne satellitari è influenzata dalle condizioni meteorologiche (in caso di maltempo i segnali saranno più deboli e la qualità delle immagini potrebbe diminuire fino a svanire completamente), dall'area di navigazione (ciascun satellite copre una specifica area geografica) e dalla dimensione dell'antenna stessa (la dimensione del disco parabolico deve essere idonea a ricevere il segnale nei luoghi prescelti).

- 60 cm DISH MARS / RHINE
- 47 cm DISH SATURN / RHEA
- 39 cm DISH VENUS / PANDORA
- 33 cm DISH URANIA 2
- 46x26 cm DISH DANUBE

NIT Network Information Table

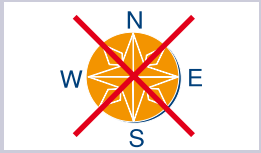
It's a special check used in order to ensure the antenna is tracking the right satellite you want, as the small separation angle between one satellite and another could generate problems in satellite tracking.

SSI Sync Satellite Identification

It's a special check based on the use of the synchronization of satellite TV signals on several frequencies in order to ensure the antenna is tracking the right satellite.

SCC

SINGLE CABLE CONNECTION
One cable only connects the antenna to the tv set



NO COMPASS
Means no compensation or deviation when the boat is close to magnetic sources like metal boats, cranes, building etc.

HPD
HIGH PERFORMANCE DISH

HD
HIGH DEFINITION

HPF
HIGH PERFORMANCE FEED-HORN

STO
SILENT TRACKING OPERATION

SATELLITE TV ANTENNAS

The Glomex TV satellite antennas are refurbished in technology and performance: the new HPD (High Performance Dish) parabolic dishes, combined with the new software for signal research and the innovative noise reduction system, allow the compensation of quality losses due to satellite multiplication on the terrestrial orbit and to transmission on same frequency and ensure a total silence job. The combination between High Performance Dish (HPD), new software and complete elimination of noise, ensures the maximum performance of satellite signal reception and tracking when cruising, when anchor riding or when moored. The Glomex TV satellite antennas are equipped with an efficient compensation system (for boat roll and pitch) by means of electronic gyro-stabilizers (EGS), and with a single or multi coaxial rotating joint (CRJ or MCRJ), allowing the antenna to balance the reception of signal by turning infinitely on the azimuth axis, since no coaxial cable wrapping in needed. Each antenna is equipped with a control unit that can be embedded in the electronic panel on board. The number of satellites pre-charged on the control unit varies according to the antenna model. Glomex offers a wide range of TV satellite antennas, in order to meet the difference operational and aesthetic requirements of yachtsmen.

Les antennes TV satellitaires Glomex évoluent en matière de technologie et de performance: les nouveaux disques paraboliques HPD (High Performance Dish), combinés avec un logiciel novateur pour la recherche du signal et un innovant système de réduction de bruit, permettent la compensation des pertes de qualité dues à la multiplication des satellites en orbite et aux transmissions sur les même fréquences et assurent un silence total. La combinaison entre High Performance Dish (HPD), ce nouveau logiciel et l'élimination complète de bruit assurent la plus grande performance dans la réception et le maintien du signal satellite pendant la navigation, au mouillage ou au port. Les antennes satellitaires Glomex sont équipées d'un système performant de compensation du roulis et du tangage du bateau au moyen de stabilisateur gyroscopiques (EGS) et d'un axe rotatif simple ou multi-coaxial (CRJ ou MCRJ), permettant à l'antenne de stabiliser la réception du signal en tournant de manière infinie sur son axe azimut, puisque le câble coaxial ne peut pas s'enrouler sur lui-même. Chaque antenne est pourvue d'un boîtier de contrôle qui peut être intégré dans le tableau électrique de bord. Le nombre de satellites préenregistrés sur le boîtier de contrôle varient selon le modèle de l'antenne. Glomex offre une vaste gamme d'antennes TV satellitaires, afin de répondre aux nombreuses exigences fonctionnelles et esthétiques des plaisanciers.

ANTENNA NAME	URANIA 2	PANDORA	VENUS	RHEA	SATURN 1
ANTENNA CODE	V9331	V8001	V9000	V8100	V9100
ANTENNA DISH DIAMETER	330 mm (13")	390 mm (15")	390 mm (15")	470 mm (18")	470 mm (18")
RADOME DIMENSIONS (diameter x height)	365 x 397 (14 x 15,5")	420 x 455 mm (16 x 18")	420 x 500 mm (16 x 20")	500 x 560 mm (20 x 22")	500 x 560 mm (20 x 22")
ANTENNA WEIGHT	4,5 kg (9,92 lb)	6,0 kg (13,23 lb)	10 kg (22,04 lb)	8 kg (17,6 lb)	12,5 kg (27,50 lb)
TRACKING RATE	50°/sec	50°/sec	50°/sec	50°/sec	50°/sec
ANTENNA GAIN	31,5 dB	33 dB (12 GHz)	33 dB (12 GHz)	35 dB (12 GHz)	35 dB (12 GHz)
DISH TYPE	Prime Focus + HPD	Prime Focus + HPD	Prime Focus + HPD	Prime Focus + HPD	Prime Focus + HPD
POLARIZATION	Linear (H+V)	Linear (H+V)	Linear (H+V)	Linear V/H	Linear (H+V)
LNB FREQUENCY RANGE	10,7 - 12,75 GHz LNB universal	10,7 - 12,75 GHz LNB universal	10,7 - 12,75 GHz LNB universal	10.7 to 12.75 GHz universal	10,7 - 12,75 GHz LNB universal
RADOME TYPE	U.V. resistant	U.V. resistant	U.V. resistant	UV resistant	U.V. resistant
POWER CONSUMPTION	12 Vdc (1 Ah)	12 Vdc (1,5 Ah)	12-24 Vdc (2 Ah)	12 Vdc (1,5 Ah)	12-24 Vdc (2,5 Ah)
POWER REQUIREMENT	2 A	2 A	3 A	3 A	3 A
OPERATING TEMPERATURE RANGE	- 20° + 55°	- 20° + 55°	- 20° + 55°	-20° C to +55° C	- 20° + 55°
AZIMUTH TURN RANGE	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
FULL ELEVATION RANGE	-9° / 81°	-9° / 81°	5° - 90°	-9° / 81°	5° - 90°
TYPE OF STABILIZATION	gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis + 3° axis by interpolation	Gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis + 3° axis by interpolation
SATELLITE IDENTIFICATION	NIT (Network Information Table)	NIT (Network Information Table)	NIT (Network Information Table)	NIT (Network Information Table)	NIT (Network Information Table)
MIN EIRP	52 dBW	50 dBW	50 dBW	49 dBW	49 dBW
FUTURE UPGRADES READY	Yes	Yes	Yes	Yes	Yes
DECODER OUTPUT	1 output	1 output	1 output	1 output	1 output
AUTOSKEW OPTION	No	No	No	No	No
CONTROL UNIT	3 satellite loaded: ASTRA1 19°E - ASTRA2 28°E - HOTBIRD 13°E	3 satellites loaded: ASTRA1 19°E - ASTRA2 28°E - HOTBIRD 13°E	8 satellites loaded	3 satellites loaded: ASTRA2 28°E - ASTRA1 19°E - HOTBIRD 13°E	8 satellites loaded

SATELLITE TV ANTENNAS

Le antenne TV satellitari Glomex si rinnovano in tecnologia e performance: i nuovi dischi parabolici ad alte prestazioni della serie HPD (High Performance Dish), abbinati al nuovo software di ricerca del segnale e all'innovativo sistema di riduzione del rumore, permettono di compensare le perdite di qualità dovute al moltiplicarsi dei satelliti in orbita e alle trasmissioni sulle stesse frequenze, e garantiscono una totale silenziosità. La combinazione tra High Performance Dish (HPD), nuovo software ed eliminazione completa del rumore, assicura il massimo rendimento nell'acquisizione e nel mantenimento del segnale satellitare ed un comfort senza precedenti sia in navigazione, sia all'ancora o in banchina. Le antenne TV satellitari Glomex sono dotate di un efficiente sistema di compensazione dei movimenti di rollio e beccheggio a mezzo di giroscopi elettronici (EGS), e di un giunto coassiale rotante singolo o multiplo (CRJ o MCRJ) che permette all'antenna di stabilizzare la ricezione del segnale girando in maniera infinita sull'asse azimut, senza che il cavo coassiale debba essere riavvolto. Ogni antenna è dotata di un'unità di controllo che può essere integrata nel quadro elettronico di bordo. Il numero di satelliti precaricati sull'unità di controllo varia in base al modello dell'antenna. Glomex offre una vasta gamma di antenne TV satellitari per rispondere alle diverse esigenze funzionali ed estetiche dei diportisti.

ANTENNA NAME	SATURN 4	MARS 1	MARS 4	DANUBE	RHINE
ANTENNA CODE	V9104	V9801	V9804	R8500	R9804
ANTENNA DISH DIAMETER	470 mm (18")	600 mm (24")	600 mm (24")	460 mm (18") x 260 mm (10")	600 mm (24")
RADOME DIMENSIONS (diameter x height)	500 x 560 mm (20 x 22")	660 x 660 mm (26 x 26")	660 x 660 mm (26 x 26")	560 mm (22") x 340 mm (13")	660 x 660 (26 x 26")
ANTENNA WEIGHT	13 kg (28,50 lb)	15 kg (33,07 lb)	15,5 kg (34,17 lb)	7 kg (15,4 lb)	15,5 kg (34,17 lb)
TRACKING RATE	50°/sec	50°/sec	50°/sec	AZ 25°/sec EL 25°/sec	50°/sec
ANTENNA GAIN	35 dB (12 GHz)	36,5 dB (12 GHz)	36,5 dB (12 GHz)	34 db	36,5 dB (12GHz)
DISH TYPE	Prime Focus + HPD	Prime Focus + HPD	Prime Focus + HPD	OFFSET	Prime Focus + HPD
POLARIZATION	Linear (H+V)	Linear (H+V)	Linear (H+V)	Linear V/H	Linear V/H
LNB FREQUENCY RANGE	10,7 - 12,75 GHz LNB universal	10,7 - 12,75 GHz LNB universal	10,7 - 12,75 GHz LNB universal	10.7 to 12.75 GHz universal	10.7 to 12.75 GHz
RADOME TYPE	U.V. resistant	U.V. resistant	U.V. resistant	UV resistant	UV resistant
POWER CONSUMPTION	12-24 Vdc (2,5 Ah)	12-24 Vdc (3 Ah)	12-24 Vdc (3 Ah)	11.5 ÷ 13.8 VDC / 0.9 A/h	12 - 24 Vdc (3 Ah)
POWER REQUIREMENT	3 A	5 A	5 A	3 A	5 A
OPERATING TEMPERATURE RANGE	- 20° + 55°	- 20° + 55°	- 20° + 55°	-20° C to +55° C	-20° C to +55° C
AZIMUTH TURN RANGE	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
FULL ELEVATION RANGE	5° - 90°	5° - 90°	5° - 90°	15° - 60°	5° - 90°
TYPE OF STABILIZATION	gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis + 3° axis by interpolation	Gyro on 2 axis	gyro on 2 axis + 3° axis by interpolation
SATELLITE IDENTIFICATION	NIT (Network Information Table)	NIT (Network Information Table)	NIT (Network Information Table)	SSI (Sync Satellite Identification)	NIT (Network Information Table)
MIN EIRP	49 dBW	47 dBW	47 dBW	49 dBW	47 dBW
FUTURE UPGRADES READY	Yes	Yes	Yes	Yes	Yes
DECODER OUTPUT	4 output to multiswitch (max 16 output)	1 output	4 output to multiswitch (max 16 output)	1 output	4 outputs to multiswitch (max 14 output)
AUTOSKEW OPTION	Yes	No	Yes	No	Yes
CONTROL UNIT	8 satellites loaded	8 satellites loaded	8 satellites loaded	3 satellites loaded: ASTRA2 28°E - ASTRA1 19°E - HOTBIRD 13°E	8 satellites loaded

HPD STO

NEW VERSION

MADE IN ITALY

Urania 2 is the new TV satellite antenna in the range, expressly designed to satisfy the requirements of small sailboats and motorboats. Small in size (dish diameter 330 mm/13") and with low energy consumption (12 VDC/1Ah), Urania 2 is gyro-stabilized, equipped with a new HPD (High Performance Dish) parabolic dish combined with the new software for signal research and the innovative noise reduction system STO (Silent Tracking Operation), allowing you to watch TV on board your boat. It can be easily updated by means of the SD card slot (available for the use of the memory cards used by digital photo-cameras) and installed on the control unit, by downloading the free software from the website www.glomex.it.

Urania 2 est la nouvelle antenne TV satellitaire de la gamme, spécifiquement conçue pour satisfaire les exigences des petits bateaux à voiles et à moteur. Avec ses dimensions réduites (diamètre du disque 330 mm/13") et sa faible consommation énergétique (12 VDC/1Ah), Urania 2 est une antenne à stabilisation gyroscopique, dotée d'un nouveau disque parabolique HPD (High Performance Dish) combiné avec un logiciel novateur pour la recherche du signal et un innovant système de réduction de bruit STO (Silent Tracking Operation), qui permet de regarder la télévision à bord de son bateau. Elle peut être mise à jour facilement grâce à la carte slot SD (celle utilisée pour la lecture des cartes mémoire des appareils photo numériques) installée dans le boîtier de contrôle, en téléchargeant gratuitement le logiciel du site www.glomex.it.

Urania 2 è la nuova antenna TV satellitare della gamma, appositamente studiata per rispondere alle esigenze delle piccole imbarcazioni a vela e a motore. Ridotta nelle dimensioni (diametro disco 330 mm/13") e nei consumi energetici (12 Vdc/1Ah), Urania 2 è un'antenna giro-stabilizzata, dotata di un nuovo disco parabolico ad alte prestazioni della serie HPD (High Performance Dish) abbinato al nuovo software di ricerca del segnale e all'innovativo sistema di riduzione del rumore STO (Silent Tracking Operation), che consente di vedere la TV a bordo della propria imbarcazione. Può essere comodamente aggiornata attraverso lo slot SD card (quello per la lettura delle schede di memoria utilizzate nelle macchine fotografiche digitali) situato sull'unità di controllo, scaricando gratuitamente il software dal sito www.glomex.it.

CONTROL UNIT

3 satellites Standard: ASTRA2 28,2°E, ASTRA1 19,2°E and HOTBIRD 13°E other on request

V9331 URANIA 2

1 DECODER OUTPUT
By coaxial rotating joint

Control Unit 3 sat	V9140/10 10m/33' (1 pc) + V9143 1,5m/5' (2 pcs) coax cables	V9115 Decoder line amplifier	high thickness synthetic rubber gasket	V9331 Twin see page 21	V9193 Decoder I- Can 1110SV see page 20	V9192 XDOME Decoder combo SAT - DVBT see page 19	V9500 Mount see page 21
Supplied	Supplied	Supplied	Supplied	Option	Option	Option	Option

Sail Boat Power Boat

CRJ
COAXIAL ROTATING JOINT

EGS
ELECTRONIC GYRO STABILIZED

NIT Network Information Table

GPS

SCC

HD

V9330 URANIA 2 - V8001 PANDORA

HPD STO

NEW VERSION

MADE IN ITALY

Pandora is the Glomex TV satellite antenna developed to offer the best relation between quality and price without reducing the high performance. With compact dimensions (dish diameter 420 mm/16" and 455mm/18" height) and low energy consumption (12 VDC 1,5 A/h,) it represents the ideal choice for TV watching on board, because it offers the best compromise between contained shape and performance. Pandora is a gyro-stabilized antenna, equipped with a new HPD (High Performance Dish) parabolic dish combined with the new software for signal research and the innovative noise reduction system STO (Silent Tracking Operation), allow the compensation of quality losses due to satellite multiplication on the terrestrial orbit whilst transmitting on same frequency and ensure a total silence factor. Easy to install, thanks to a single coaxial cable (SCC) connecting the antenna directly to the TV-set without opening the radome, it does not require any other compensation or calibration adjustment. Pandora, with its 3 preloaded satellites (ASTRA1, ASTRA2, HOTBIRD) easy selectable on the control unit, can be swiftly updated by means of the slot SD card (the same used for the use of memory cards for digital photo-cameras), by downloading new satellites or free software updates directly from the Website www.glomex.it.

Pandora est l'antenne TV satellitaire Glomex, conçue pour offrir le meilleur rapport qualité/prix sans renoncer à d'autres prestations. Cette antenne aux dimensions très compactes (diamètre du disque de 420 mm/16" pour 455 mm/18" de hauteur), et à la consommation énergétique réduite (12 VDC/1,5 Ah), est un choix idéal pour qui veut regarder la télévision sur son bateau, car elle offre le meilleur compromis entre compacité et performance. Pandora est une antenne gyro-stabilisée, dotée d'un nouveau disque parabolique HPD (High Performance Dish) combiné avec un logiciel novateur pour la recherche du signal et un innovant système de réduction de bruit STO (Silent Tracking Operation), permettent la compensation des pertes de qualité dues à la multiplication des satellites en orbite et aux transmissions sue les même fréquences et assurent un silence total. Elle est facile à installer grâce à un câble coaxial simple (SCC) reliant directement l'antenne au téléviseur, sans avoir besoin d'ouvrir le radôme. Elle ne nécessite pas non plus d'autres interventions pour la compensation ou le calibrage. Pandora, avec ses 3 satellites préenregistrés (ASTRA1, ASTRA2, HOTBIRD) faciles à sélectionner sur le boîtier de contrôle, peut être mise à jour facilement grâce à la carte slot SD (celle utilisée pour la lecture des cartes mémoire des appareils photo numériques) en téléchargeant de nouveaux satellites ou bien des mises à jour gratuite du logiciel sur le site www.glomex.it.

Pandora è l'antenna TV satellitare Glomex, sviluppata per offrire il miglior rapporto qualità/prezzo senza rinunciare ad alte prestazioni. Ridotta nelle dimensioni (diametro 420 mm/16'' per 455mm /18'' di altezza) e nei consumi energetici (12 Vdc 1,5 A/h), è la scelta ideale per chiunque voglia vedere la TV sulla propria imbarcazione, cercando il miglior compromesso tra compattezza della forma e performance. Pandora è un'antenna giro-stabilizzata, dotata di un nuovo disco parabolico ad alte prestazioni della serie HPD (High Performance Dish) abbinato al nuovo software di ricerca del segnale e all'innovativo sistema di riduzione del rumore STO (Silent Tracking Operation), permettono di compensare le perdite di qualità dovute al moltiplicarsi dei satelliti in orbita e alle trasmissioni sulle stesse frequenze, e garantiscono una totale silenziosità. È semplice da installare, grazie ad un unico cavo coassiale (SCC) che permette di connettere direttamente l'antenna alla TV senza bisogno di aprire il radome, e non richiede ulteriori interventi di compensazione o taratura. Pandora, con i suoi 3 satelliti pre-caricati (ASTRA1, ASTRA2, HOTBIRD) facilmente selezionabili sull'unità di controllo, può essere comodamente aggiornata attraverso lo slot SD card (quello per la lettura delle schede di memoria utilizzate nelle macchine fotografiche digitali), scaricando nuovi satelliti oppure aggiornamenti software gratuiti direttamente dal sito www.glomex.it.

CONTROL UNIT
3 satellites Standard: ASTRA2 28,2°E, ASTRA1 19,2°E and HOTBIRD 13°E other on request

V8001 PANDORA

1 DECODER OUTPUT
By coaxial rotating joint

Control Unit 3 sat	V9140/10 10m/33' (1 pc) + V9143 1,5m/5' (2 pcs) coax cables	V9115 Decoder line amplifier	high thickness synthetic rubber gasket	V8001 Twin see page 21	V9193 Decoder I- Can 1110SV see page 20	V9192 XDOME Decoder combo SAT - DVBT see page 19	V9500 Mount see page 21
Supplied	Supplied	Supplied	Supplied	Option	Option	Option	Option

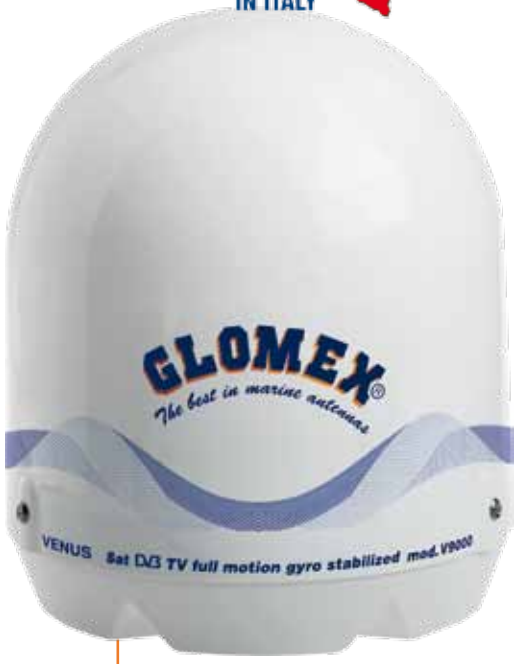
SATELLITE TV ANTENNAS

Sail Boat Power Boat Big Yacht

STO

HPD

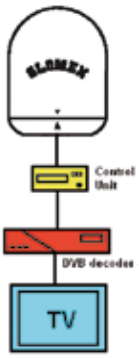
MADE IN ITALY



Venus is the TV satellite antenna with compact dimensions (dish diameter 390 mm/15") and thanks to the new MK2+ hardware and software series, ensures improved quality performance and signal reception. Venus is a gyro-stabilized antenna equipped with a new HPD (High Performance Dish) combined with the new software for signal research and the innovative noise reduction system STO (Silent Tracking Operation), allow the compensation of quality losses due to satellite multiplication on the terrestrial orbit whilst transmitting on same frequency and ensure a total silence factor. Venus is provided with a Control Unit with LCD display and 8 preloaded satellites. Venus is easy to install, thanks to a single coaxial cable (SCC) connecting the antenna directly to the TV-set and does not require any other compensation or calibration. It is ready for future updating.

Cette antenne aux dimensions très compactes (diamètre du disque 390 mm/15") qui, grâce à l'utilisation du matériel et du logiciel de la nouvelle série MK2+, assure de nouvelles performances quant à la qualité et à la réception du signal. C'est une antenne gyro-stabilisée dotée d'un nouveau disque parabolique de la série HPD (High Performance Dish) combiné avec un logiciel novateur pour la recherche du signal et un innovant système de réduction de bruit STO (Silent Tracking Operation), permettent la compensation des pertes de qualité dues à la multiplication des satellites en orbite et aux transmissions sue les même fréquences et assurent un silence total. Venus est équipée de l'unité de contrôle avec écran LCD et 8 satellites préchargés. Venus est facile à installer, grâce à un câble coaxial simple (SCC) reliant directement l'antenne au téléviseur. Elle ne nécessite pas d'autres interventions pour la compensation ou le calibrage. Elle est préréglée pour de futures mises à jour.

Venus è l'antenna TV satellitare dalle dimensioni ridotte (diametro disco 390 mm/15") che, grazie all'introduzione di hardware e software della nuova serie MK2+, assicura rinnovate prestazioni di qualità e di ricezione del segnale. E' un'antenna giro-stabilizzata, dotata di un nuovo disco parabolico ad alte prestazioni della serie HPD (High Performance Dish) abbinato al nuovo software di ricerca del segnale e all'innovativo sistema di riduzione del rumore STO (Silent Tracking Operation), permettono di compensare le perdite di qualità dovute al moltiplicarsi dei satelliti in orbita e alle trasmissioni sulle stesse frequenze, e garantiscono una totale silenziosità. Inoltre, Venus è dotata di una Control Unit con un display LCD e 8 satelliti precaricati.Venus è semplice da installare, grazie ad un unico cavo coassiale (SCC) che connette direttamente l'antenna al televisore, e non richiede ulteriori interventi di compensazione o taratura. È predisposta per futuri aggiornamenti.



CONTROL UNIT

8 satellites Standard: ASTRA3 23,5°E, ASTRA2 28,2°E, ASTRA1 19,2°E, HOTBIRD 13°E, EUROBIRD 9°E, SIRIUS 4,8°E, THOR 1°W and HISPASAT 30°W other on request

V9000 VENUS

1 DECODER OUTPUT
By coaxial rotating joint

Control Unit 8 sat	V9139/10 10m/33' (1 pc) + V9143 1,5m/5' (2 pcs) coax cables	DC/DC Adaptor	V9115 Decoder line amplifier	high thickness synthetic rubber gasket	V9000 Twin see page 21	V9193 Decoder I- Can 1110SV see page 20	V9192 XDOME Decoder combo SAT - DVBT see page 19	V9500 Mount see page 21
Supplied	Supplied	Supplied	Supplied	Supplied	Option	Option	Option	Option

Sail Boat Power Boat Big Yacht

CRJ COAXIAL ROTATING JOINT

EGS ELECTRONIC GYRO STABILIZED

NIT Network Information Table

GPS

SCC

HD

HPD STO

NEW

Rhea is the new Glomex satellite TV antenna developed to offer the best performance in receiving TV signals thank to a 470mm (18") parabolic dish and low energy consumption (12 Vdc – 1,5 A/h). V8100 is a gyrostabilized antenna, equipped with a new HPD (High Performance Dish) parabolic dish combined with the new software for signal research and the innovative noise reduction system STO (Silent Tracking Operation). Rhea is characterized by new mechanic and electronic elements. The antenna have an elevation range (-9° / +81°) developed to increase its reception of satellite TV signals even in North Europe. Moreover, the new electronic elements allow the compensation of quality losses due to satellite multiplication on the terrestrial orbit whilst transmitting on frequency and ensure a total silence factor. Easy to install, thanks to a single coaxial cable (SCC) connecting the antenna directly to the TV-set. Rhea, with its 3 preloaded satellites (ASTRA1, ASTRA2, HOTBIRD) easy selectable on the control unit, can be swiftly updated by downloading new satellites or free software updates directly on www.glomex.it.

Rhea est la nouvelle antenne TV satellitaire Glomex, conçue pour offrir une exceptionnelle performance de réception du signal, grâce au disque parabolique de 470mm (18) et une consommation énergétique réduite (12 Vdc – 1,5 A/h). V8100. Une antenne gyro-stabilisée, dotée d'un nouveau disque parabolique à hautes prestations de la série HPD (High Performance Dish) combiné à un nouveau logiciel de recherche du signal et d'un innovant système réducteur de bruit (STO) (Silent Tracking Opération). Rhéa présente des améliorations aussi bien, au niveau mécanique qu'électronique. Cette antenne, en fait, crée pour obtenir un gain d'élévation (-9° / + 81°) en grade d'augmenter la capacité réceptive du signal sur la latitude du nord de l'Europe. De plus, la nouvelle technologie, permet à l'antenne de compenser la qualité dues à la multiplication des satellites en orbite et aux transmissions sur les mêmes fréquences et assurent un silence total. Simple à installer, grâce à un câble coaxial (SCC) reliant l'antenne au téléviseur ; RHEA est prédisposée aux futures mises à jour. .

Rhea è la nuova antenna TV satellitare di Glomex sviluppata per offrire eccezionali performance di ricezione del segnale grazie al disco parabolico da 470 mm (18'') e consumi energetici ridotti (12 Vdc – 1,5 A/h). V8100 è un'antenna giro-stabilizzata, dotata di un nuovo disco parabolico ad alte prestazioni della serie HPD (High Performance Dish) abbinato al nuovo software di ricerca del segnale e all'innovativo sistema di riduzione del rumore STO (Silent Tracking Operation). Rhea presenta miglioramenti a livello sia meccanico sia elettronico. L'antenna, infatti, è stata disegnata per avere un raggio di elevazione (-9° / +81°) in grado di incrementare la capacità ricettiva del segnale anche alle latitudini del nord Europa. La nuova elettronica, inoltre, permette all'antenna di compensare qualsiasi perdita di qualità dovuta al moltiplicarsi dei satelliti in orbita e alle trasmissioni sulle stesse frequenze e di operare in totale silenziosità. Semplice da installare, grazie ad un unico cavo coassiale (SCC) che collega direttamente l'antenna al televisore; Rhea, con 3 satelliti precaricati (Astra1, Astra2, Hotbird) facilmente selezionabili dall'unità di controllo, è predisposta per scaricare nuovi satelliti e futuri aggiornamenti gratuiti su www.glomex.it..

CONTROL UNIT
3 satellites Standard: ASTRA2 28,2°E, ASTRA1 19,2°E and HOTBIRD 13°E other on request

V8100 RHEA

1 DECODER OUTPUT
By multioutput coaxial rotating joint

Control Unit 3 sat	V9140/10 10m/33' (1 pc) + V9143 1,5m/5' (2 pcs) coax cables	high thickness synthetic rubber gasket	V8100 Twin see page 21	V9193 Decoder I- Can 1110SV see page 20	V9192 XDOME Decoder combo SAT - DVBT see page 19	V9500 Mount see page 21
Supplied	Supplied	Supplied	Option	Option	Option	Option

Power Boat

Big Yacht

SATELLITE TV ANTENNAS

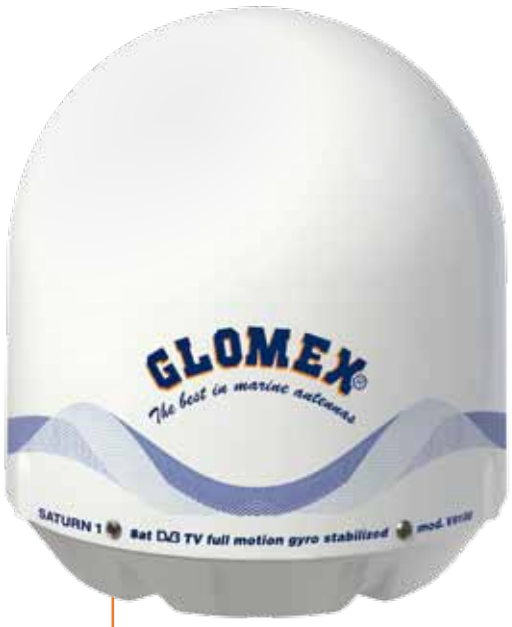
V9100 SATURN 1 - V9104 SATURN 4

STO

HPD

MADE IN ITALY

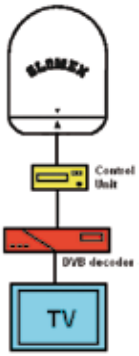
NEW 47 cm HPD DISH



Saturn 1 is the TV satellite antenna with a dish diameter of 470 mm (18") which, thanks to the new MK2+ hardware and software, ensures improved quality performance and high degree of signal reception. Saturn 1 is a gyro-stabilized antenna equipped with a new HPD (High Performance Dish) combined with the new software for signal research and the innovative noise reduction system STO (Silent Tracking Operation), allow the compensation of quality losses due to satellite multiplication on the terrestrial orbit whilst transmitting on same frequency and ensure a total silence factor. Simple to install, thanks to a single coaxial cable (SCC) linking the antenna directly to the TV-set, Saturn 1 is ready for future updating.

L'antenne TV satellitaire Saturn 1, avec un disque de 470 mm (18") qui grâce à l'utilisation du matériel et du logiciel de la nouvelle série MK2+, assure de nouvelles performances quant à la qualité et à la réception du signal. C'est une antenne gyrostabilisée dotée d'un nouveau disque parabolique HPD (High Performance Dish) combiné avec un logiciel novateur pour la recherche du signal et un innovant système de réduction de bruit STO (Silent Tracking Operation), permettent la compensation des pertes de qualité dues à la multiplication des satellites en orbite et aux transmissions sue les même fréquences et assurent un silence total. Saturn 1 est facile à installer, grâce à un câble coaxial simple (SCC) reliant directement l'antenne au téléviseur. Elle est préréglée pour de futures mises à jour.

Saturn 1 è l'antenna TV satellitare con un disco da 470 mm (18") che, grazie all'introduzione di hardware e software della nuova serie MK2+, garantisce rinnovate prestazioni di qualità ed un elevato grado di ricezione del segnale. E' un'antenna giro-stabilizzata, dotata di un nuovo disco parabolico ad alte prestazioni della serie HPD (High Performance Dish) abbinato al nuovo software di ricerca del segnale e all'innovativo sistema di riduzione del rumore STO (Silent Tracking Operation), permettono di compensare le perdite di qualità dovute al moltiplicarsi dei satelliti in orbita e alle trasmissioni sulle stesse frequenze, e garantiscono una totale silenziosità. Semplice da installare, grazie ad un unico cavo coassiale (SCC) che collega direttamente l'antenna al televisore, Saturn 1 è predisposta per futuri aggiornamenti.



CONTROL UNIT

8 satellites ASTRA3 23,5°E, ASTRA2 28,2°E, ASTRA1 19,2°E, HOTBIRD 13°E, EUROBIRD 9°E, SIRIUS 4,8°E, THOR 1°W and HISPASAT 30°W other on request

V9100 SATURN 1

1 DECODER OUTPUT
By coaxial rotating joint

Control Unit 8 sat	V9139/10 10m/33' (1 pc) + V9143 1,5m/5' (1 pc) coax cables	DC/DC Adaptor	high thickness synthetic rubber gasket	V9100 Twin see page 21	V9193 Decoder I- Can 1110SV see page 20	V9192 XDOME Decoder combo SAT - DVBT see page 19	V9500 Mount see page 21
Supplied	Supplied	Supplied	Supplied	Option	Option	Option	Option

SATELLITE TV ANTENNAS

Power Boat

Big Yacht

MCRJ MULTI OUTPUT COAXIAL ROTATING JOINT

CRJ COAXIAL ROTATING JOINT

EGS ELECTRONIC GYRO STABILIZED

NIT Network Information Table

GPS

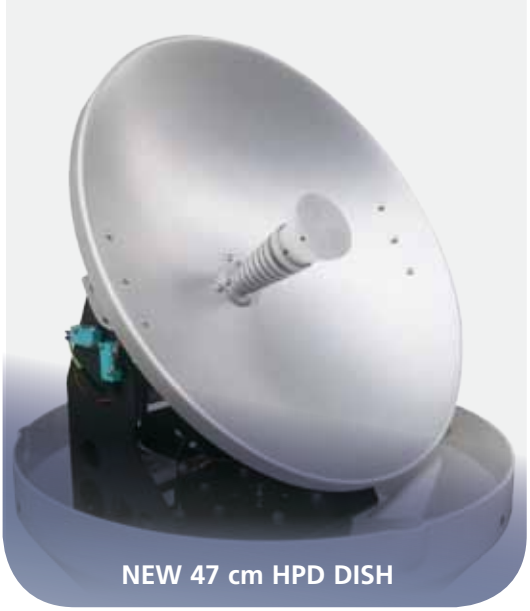
SCC

HD

STO

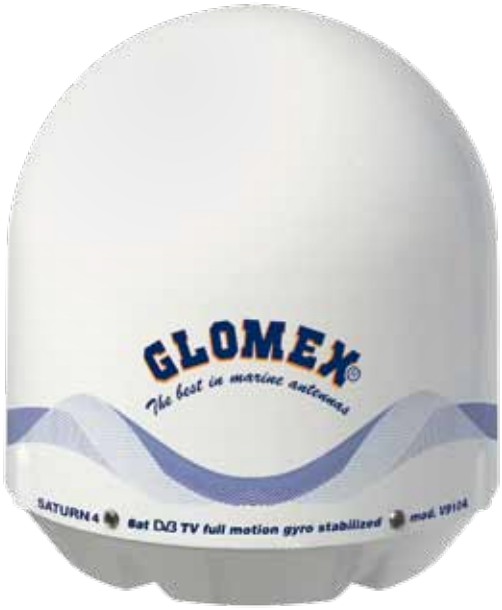
HPD

MADE IN ITALY



NEW 47 cm HPD DISH

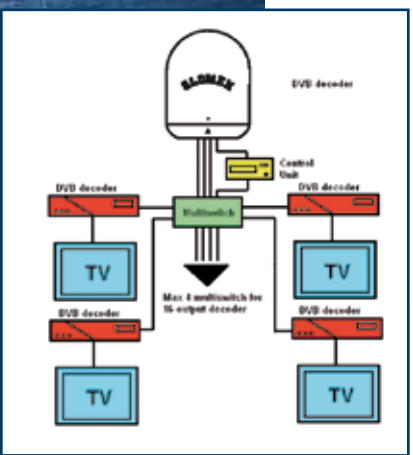
V9100 SATURN 1 - V9104 SATURN 4



Saturn 4 is the TV satellite antenna that, not only guarantees high performance standards of signal reception and tracking, but also allows the connection of up to 16 independent decoders on the same boat. In fact, Saturn 4 is equipped with a multi coaxial rotating joint (MCRJ) and with a multi-switch box for the connection of more independent decoders (4 outputs for multi-switch, up to a maximum quantity of 16 for antenna). The antenna can turn infinitely on its axis, since there is no coaxial cable wrapping, without interrupting the TV signal.

Saturn 4 est l'antenne TV satellitaire, qui non seulement garantit une performance élevée en termes de réception et de maintien du signal, mais qui permet aussi le branchement de 16 décodeurs indépendants sur le même bateau. En effet, Saturn 4 est équipée d'un axe rotatif multi-coaxial (MCRJ) et d'une boîte de commutation multiple pour le raccordement de plusieurs décodeurs indépendants (4 sorties pour la commutation multiple, jusqu'à une quantité maximale de 16 par antenne). L'antenne peut tourner de manière infinie sur son axe sans qu'il soit nécessaire de dérouler le câble coaxial et sans interrompre la réception.

Saturn 4 è l'antenna TV satellitare che, oltre a garantire standard di performance elevati nell'acquisizione e nel mantenimento del segnale, consente di collegare fino a 16 decoder indipendenti sulla stessa imbarcazione. Infatti, Saturn 4 è fornita di un giunto coassiale rotante multiplo (MCRJ) e di un multiswitch box per il collegamento di più decoder indipendenti (4 uscite per multiswitch, fino ad un massimo di 16 per antenna). L'antenna può girare in maniera infinita su se stessa senza richiedere il riavvolgimento del cavo coassiale e l'interruzione della visione.



CONTROL UNIT

8 satellites ASTRA3 23,5°E, ASTRA2 28,2°E, ASTRA1 19,2°E, HOTBIRD 13°E, EUROBIRD 9°E, SIRIUS 4,8°E, THOR 1°W and HISPASAT 30°W other on request

V9104 SATURN 4

4 DECODER OUTPUT

By multioutput coaxial rotating joint

Control Unit 8 sat	V9139/10 10m/33' (4 pcs) + V9143 1,5m/5' (1 pc) coax cables	DC/DC Adaptor	V9191 Multiswitch see page 21	high thickness synthetic rubber gasket	V9104 Twin see page 21	V9193 Decoder I- Can 1110SV see page 20	V9192 XDOME Decoder combo SAT - DVBT see page 19	V9500 Mount see page 21
Supplied	Supplied	Supplied	Supplied	Supplied	Option	Option	Option	Option

Power Boat

Big Yacht

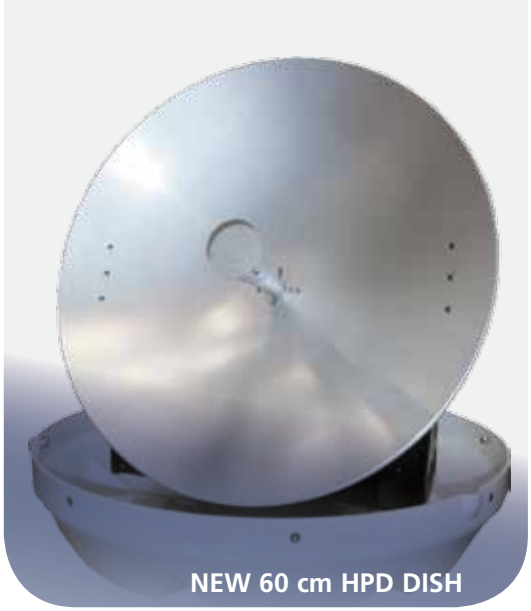
SATELLITE TV ANTENNAS

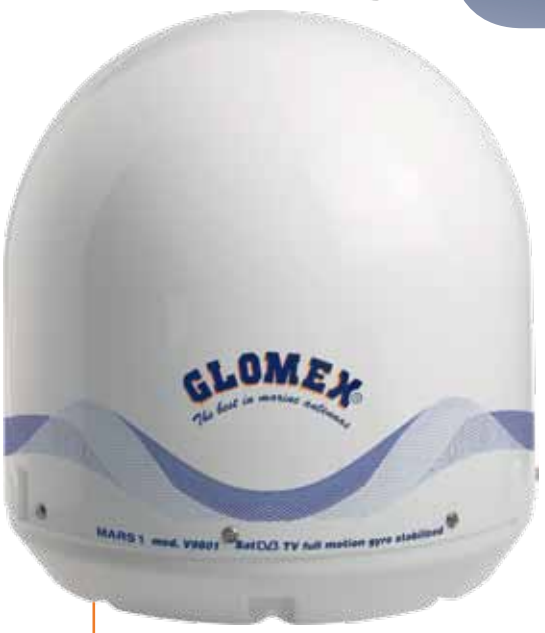
V9801 MARS 1 - V9804 MARS 4

STO

HPD

MADE IN ITALY

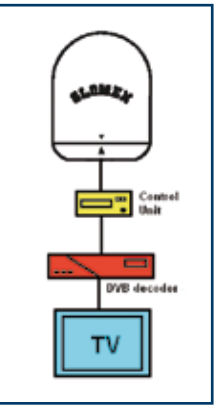




Mars 1 is the largest TV satellite antenna in the Glomex range. The size and shape of the parabolic dish (diameter 600 mm/24",) and the introduction of the new hardware and software, allow the reception of the TV satellite signal in areas usually exposed to weaker signals. Mars 1 is a gyro-stabilized antenna equipped with a new HPD (High Performance Dish) parabolic dish combined with the new software for signal research and the innovative noise reduction system STO (Silent Tracking Operation), allow the compensation of quality losses due to satellite multiplication on the terrestrial orbit whilst transmitting on same frequency and ensure a total silence factor. Mars 1 ensures high performance and with easy installation this antenna is reliable and ready for future updating.

Mars 1 est l'antenne TV satellitaire la plus grande de la gamme Glomex. La dimension et la forme du disque parabolique (diamètre 600 mm/24''), et l'utilisation du matériel et du logiciel de la nouvelle série, permettent la réception des fréquences TV satellitaires, même dans les zones normalement exposées à des signaux plus faibles. Mars 1 est une antenne gyro-stabilisée dotée d'un nouveau disque parabolique HPD (High Performance Dish) combiné avec un logiciel novateur pour la recherche du signal et un innovant système de réduction de bruit STO (Silent Tracking Operation), permettent la compensation des pertes de qualité dues à la multiplication des satellites en orbite et aux transmissions sue les même fréquences et assurent un silence total. Mars 1 assure des performances élevées; d'installation facile, cette antenne est fiable et préréglée pour de futures mises à jour.

Mars 1 è l'antenna TV satellitare più grande della gamma Glomex. La dimensione e la forma del disco parabolico (diametro 600mm/24''), e l'innovativo hardware e software consentono di ricevere le frequenze TV satellitari anche nelle zone generalmente esposte a segnali più deboli. E' un'antenna giro-stabilizzata, dotata di un nuovo disco parabolico ad alte prestazioni della serie HPD (High Performance Dish) abbinato al nuovo software di ricerca del segnale e all'innovativo sistema di riduzione del rumore STO (Silent Tracking Operation), permettono di compensare le perdite di qualità dovute al moltiplicarsi dei satelliti in orbita e alle trasmissioni sulle stesse frequenze, e garantiscono una totale silenziosità. Mars 1 garantisce performance elevate, è facile da installare, affidabile ed è predisposta per futuri aggiornamenti.



CONTROL UNIT

8 satellites Standard: ASTRA3 23,5°E, ASTRA2 28,2°E, ASTRA1 19,2°E, HOTBIRD 13°E, EUROBIRD 9°E, SIRIUS 4,8°E, THOR 1°W and HISPASAT 30°W other on request

V9801 MARS 1

1 DECODER OUTPUT
By coaxial rotating joint

Control Unit 8 sat	V9139/10 10m/33' (1 pc) + V9143 1,5m/5' (1 pc) coax cables	DC/DC Adaptor	high thickness synthetic rubber gasket	V9801 Twin see page 21	V9193 Decoder I- Can 1110SV see page 20	V9192 XDOME Decoder combo SAT - DVBT see page 19	V9500 Mount see page 21
Supplied	Supplied	Supplied	Supplied	Option	Option	Option	Option

SATELLITE TV ANTENNAS

Power Boat Big Yacht Commercial Ship

MCRJ MULTI OUTPUT COAXIAL ROTATING JOINT

CRJ COAXIAL ROTATING JOINT

EGS ELECTRONIC GYRO STABILIZED

NIT Network Information Table

GPS

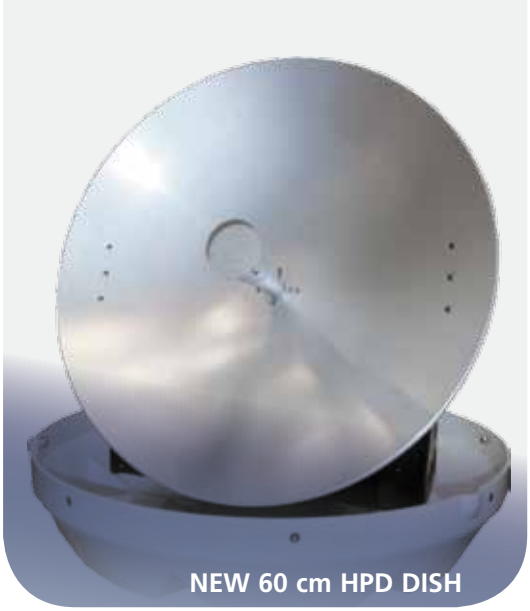
SCC

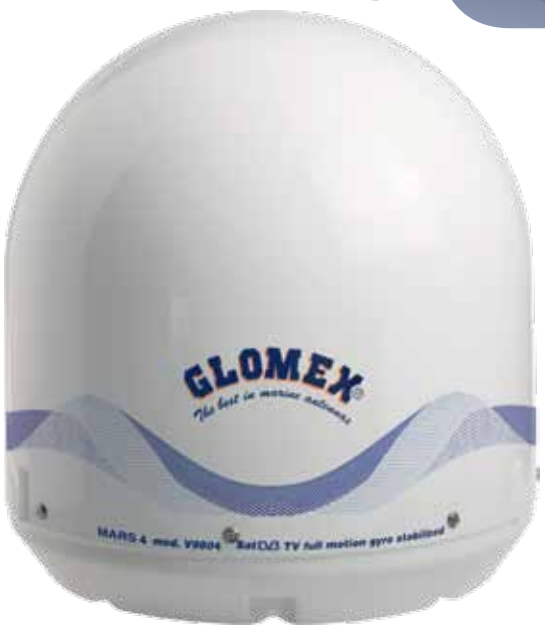
HD

STO

HPD

MADE IN ITALY

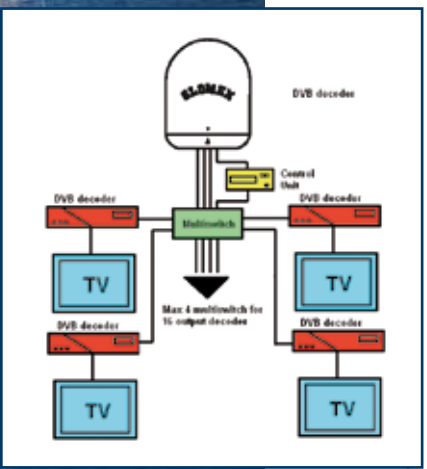




Mars 4 is the best product in the Glomex TV satellite antenna range. Identical in dimensions to Mars 1 (dish diameter 600 mm/24",) it allows the connection of up to 16 independent decoders on the same boat. In fact, Mars 4 is equipped with a multi coaxial rotating joint (MCRJ) and with a multi-switch box for the connection of more independent decoders (4 outputs for multi-switch, up to a maximum quantity of 16 for antenna.) Mars 4 is the optimal choice to watch TV during good or bad weather conditions, either when cruising or at anchor. It is also ready for future updating.

Mars 4 est le must de la gamme des antennes TV satellitaire Glomex. De dimensions identiques à Mars 1 (diamètre du disque 600 mm/24''), elle permet de brancher jusqu'à 16 décodeurs indépendants sur le même bateau. En effet, Mars 4 est équipée d'un axe rotatif multi-coaxial (MCRJ) et d'une boîte de commutation multiple pour le raccordement de plusieurs décodeurs indépendants (4 sorties pour la commutation multiple, jusqu'à une quantité maximale de 16 par antenne). Mars 4 est le choix optimal pour regarder la télévision en vacances ou en toutes conditions, aussi bien pendant la navigation qu'au mouillage, et même en présence de conditions météo non optimales. Elle est préréglée pour de futures mises à jour.

Mars 4 è il top di gamma nella rosa delle antenne TV satellitari Glomex. Identica per dimensioni alla Mars 1 (diametro del disco 600 mm/24''), consente di collegare fino a 16 decoder indipendenti sulla stessa imbarcazione. Infatti, Mars 4 è fornita di un giunto coassiale rotante multiplo (MCRJ) e di un multiswitch box per il collegamento di più decoder indipendenti (4 uscite per multiswitch, fino ad un massimo di 16 per antenna). Mars 4 è la scelta ideale per vedere la TV durante le proprie vacanze in ogni condizione, sia in navigazione che all'ancora, anche in presenza di condizioni meteorologiche non ottimali. È predisposta per futuri aggiornamenti.



CONTROL UNIT

8 satellites Standard: ASTRA3 23,5°E, ASTRA2 28,2°E, ASTRA1 19,2°E, HOTBIRD 13°E, EUROBIRD 9°E, SIRIUS 4,8°E, THOR 1°W and HISPASAT 30°W other on request

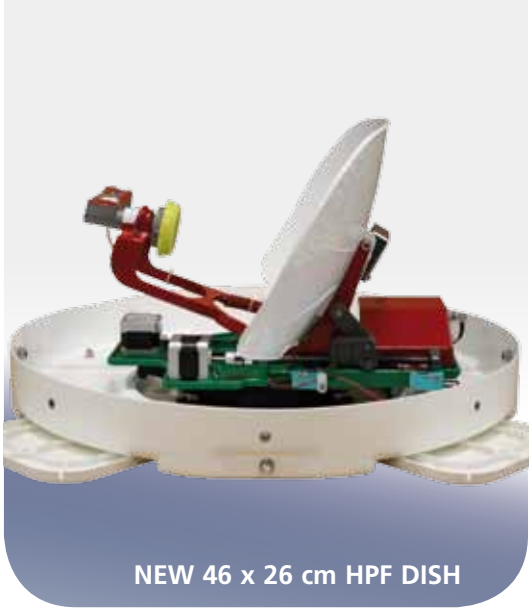
V9804 MARS 4

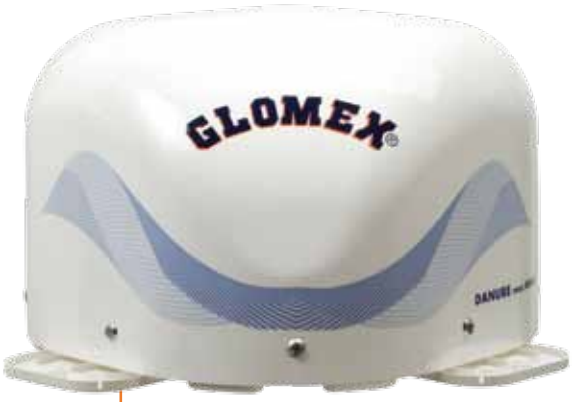
4 DECODER OUTPUT

By multioutput coaxial rotating joint

Control Unit 8 sat	V9139/10 10m/33' (4 pc) + V9143 1,5m/5' (1 pc) coax cables	DC/DC Adaptor	V9191 Multiswitch see page 21	high thickness synthetic rubber gasket	V9804 Twin see page 21	V9193 Decoder I- Can 1110SV see page 20	V9192 XDOME Decoder combo SAT - DVBT see page 19	V9500 Mount see page 21
Supplied	Supplied	Supplied	Supplied	Supplied	Option	Option	Option	Option

Power Boat Big Yacht Commercial Ship





CONTROL UNIT
3 satellites Standard: ASTRA2 28,2°E, ASTRA1 19,2°E and HOTBIRD 13°E other on request

R8500 DANUBE

Danube is the new satellite TV antenna developed to offer the best choice for TV watching on river boats (such as barge, houseboat..). It is a compact antenna (with a diameter of 22" and a height of 13", with a weight of 15,4 lb only) which guarantees a high performance and combines offset technology with electronic innovation. This offset antenna is designed so that the antenna focus point is outside the parabolic area, so that the LNB is supported by an arm which does not cause any shadow onto the dish, thus reducing its performance. Danube is also provided with new-generation electronic gyroscopes, which can compensate any kind of movement, thus allowing you to watch TV programmes with no interruption. Danube may be updated by anyone by means of the SD card reader (memory card), integrated in the control unit, by downloading the software for free from the website www.glomex.it. Available pre-loaded satellites: Astra1, Astra2, Hotbird.

Danube est la nouvelle antenne TV conçue pour offrir un choix idéal pour regarder la télévision sur les bateaux fluviaux (comme péniches..). C'est une antenne compacte (avec un diamètre de 560 mm et une hauteur de 340 mm, avec un poids de 7 kg seulement), qui garantit une haute prestation et combine la technologie offset avec l'innovation électronique. Cette antenne offset est projetée de sorte que le point de feu de l'antenne soit à l'extérieur de la surface parabolique, de manière à ce que le LNB puisse être supporté par un bras qui n'ombrage pas le disque, réduisant ainsi sa prestation. Danube est aussi équipée avec des gyroscopes électroniques de nouvelle génération, qui peuvent compenser tous les types de mouvement du véhicule, vous permettant ainsi de regarder votre programme TV préféré sans interruption. Danube peut être mise à jour par tout utilisateur à l'aide du lecteur de carte SD (carte mémoire), intégré dans l'unité de contrôle, en téléchargeant le logiciel gratuitement du site web www.glomex.it. Satellites préchargés disponibles: Astra1, Astra2, Hotbird.

Danube è la nuova antenna TV satellitare, sviluppata per rispondere alle specifiche esigenze delle imbarcazioni fluviali (come chiatte, house boat..). È un'antenna compatta (560 mm di diametro e 340 mm di altezza per un peso di soli 7 kg) ad elevate performance, che combina tecnologia offset e innovazione elettronica. L'antenna offset è progettata in modo da spostare il punto di fuoco dell'antenna fuori dall' area della parabola, affinché l'LNB possa essere sostenuto da un braccio che non crei ombre sulla parabola diminuendone il rendimento. Danube è anche dotata di giroscopi elettronici di ultima generazione, in grado di compensare qualunque tipo di movimento del imbarcazione e garantire, quindi, una visione continuativa dei programmi TV. Danube può essere aggiornata da chiunque tramite il lettore di SD card (scheda di memoria) incluso nell'unità di controllo, scaricando gratuitamente il software dal sito www.glomex.it. Satelliti disponibili precaricati: Astra1, Astra2, Hotbird.

Control Unit 3 sat	V9140/10 10m/33' (1 pc) + V9143 1,5m/5' (2 pcs) coax cables	high thickness synthetic rubber gasket	V9193 Decoder I- Can 1110SV see page 20	V9192 XDOME Decoder combo SAT - DVBT see page 19	R8500 Twin see page 21
Supplied	Supplied	Supplied	Option	Option	Option

River Boat

CRJ COAXIAL ROTATING JOINT

EGS

NIT Network Information Table

GPS

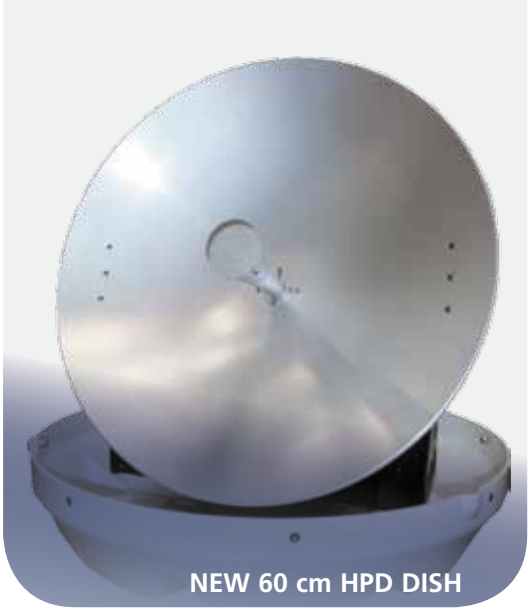
SCC

HD

HPD

STO

MADE IN ITALY



NEW

Rhine is the best Glomex satellite TV antenna developed for TV watching on river boats. Identical in dimensions to Mars 4 (dish diameter 600mm/24") Rhine has an High performance dish (H.P.D.) and an innovative noise reduction system (S.T.O.). Rhine, moreover, is equipped with a multi coaxial rotating joint and with a multi-switch box for the connection of more independent decoders (4 outputs for multi-switch) that allows the connection of up to 16 independent decoders on the same boat. Rhine is the optimal choice to watch TV, either when cruising or at anchor and with bad weather conditions too. It is also ready for future updating and the control unit has 8 available pre-loaded satellites.

Rhine est le must de la gamme des antennes TV satellitaires Glomex pour les bateaux fluviales. De dimensions identiques à Mars 4 (diamètre du disque 600 mm/24''), elle a une performance élevée en termes de réception et du maintien du signal, grâce au disque parabolique H.P.D. (High Performance Dish) et à un innovant système de réduction du bruit (S.T.O.). En effet, Rhine est équipée d'un axe rotatif multi-coaxial (MCRJ) et d'une boîte de commutation multiple pour le raccordement de plusieurs décodeurs indépendants (4 sorties pour la commutation multiple) qui permet de brancher jusqu'à 16 décodeurs indépendants sur le même bateau. Rhine, donc, est le choix idéal pour regarder la télévision en toutes conditions, aussi bien pendant la navigation qu'au mouillage, et même, en présence de conditions météorologiques non optimales. Elle est préréglée pour de futures mises à jour avec une unité de contrôle dotée qui permet d'avoir 8 satellites préchargés.

Rhine è la migliore antenna satellitare TV della gamma Glomex appositamente studiata per le imbarcazioni fluviali. Di dimensioni identiche a Mars 4 (diametro del disco 600mm) ha una capacità ricettiva estremamente alta grazie al disco ad alte performance (H.P.D.) e a bassa cifra di rumore (S.T.O.). Rhine, inoltre, è dotata di un giunto coassiale rotante multiplo e un multiswitch box per il collegamento di più decoder indipendenti (4 uscite per multiswitch) che consente di collegare fino a 16 decoder indipendenti sulla stessa imbarcazione. Rhine è la scelta idonea per guardare la televisione in ogni condizione, sia in navigazione sia all'ancora, anche in presenza di condizioni meteorologiche non ottimali. È predisposta per futuri aggiornamenti e l'unità di controllo di cui è dotata consente di avere 8 satelliti precaricati.

CONTROL UNIT

8 satellites Standard: ASTRA3 23,5°E, ASTRA2 28,2°E, ASTRA1 19,2°E, HOTBIRD 13°E, EUROBIRD 9°E, SIRIUS 4,8°E, THOR 1°W and HISPASAT 30°W other on request

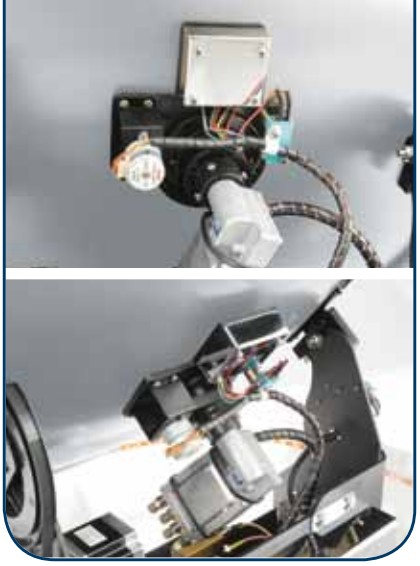
R9804 RHINE 4 DECODER OUTPUT

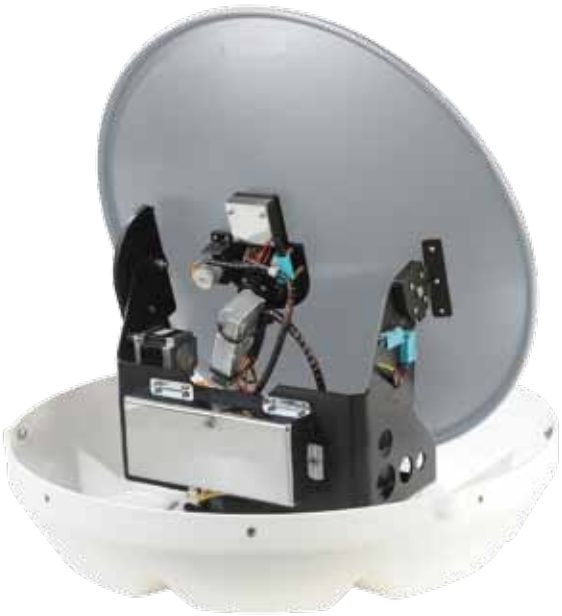
By coaxial rotating joint

Control Unit 8 sat	V9139/10 10m/33' (4 pc) + V9143 1,5m/5' (1 pc) coax cables	DC/DC Adaptor	V9191 Multiswitch see page 21	high thickness synthetic rubber gasket	R9804 Twin see page 21	V9193 Decoder I- Can 1110SV see page 20	V9192 XDOME Decoder combo SAT - DVBT see page 19	V9500 Mount see page 21
Supplied	Supplied	Supplied	Supplied	Supplied	Option	Option	Option	Option

River Boat

SATELLITE TV ANTENNAS





The geostationary satellites are located on the orbit close to the equator and are aligned with the terrestrial axis. Therefore, according to any geographical position corresponding to the equator line, all satellites appear as shifted to the East or to the West of their own South, as if they were tilted. In this case the polarizations of such satellites are no more horizontal or vertical according to their own position, but tilted. Therefore, if the frequency converter (LNB) does not turn the same number of degrees of inclination of the satellite, the polarizations will result in misalignment. The Skew option is precisely a compensation system acting physically on the LNB and acknowledging the geographic position by changing automatically the inclination. In this way the polarization is optimized and the best possible signal quality is achieved.

Les satellites géostationnaires sont positionnés dans une orbite près de l'équateur et sont bien alignés avec l'axe terrestre. Par conséquent, par rapport à une position géographique ne correspondant pas à la ligne de l'équateur, tous les satellites apparaissent décalés à l'est ou à l'ouest de leur propre sud, comme s'ils étaient inclinés. Dans ce cas, les polarisations des satellites ne sont plus horizontales ou verticales par rapport à leur propre position, mais obliques. Donc, si le convertisseur de fréquence (LNB) ne pivote pas d'autant de degrés que l'inclinaison du satellite, les polarisations résulteront décalées. L'option Skew est justement un système de compensation qui agit physiquement sur la LNB et reconnaît la position géographique en en modifiant automatiquement l'inclinaison. De cette façon, on optimise la polarisation pour obtenir la meilleure qualité possible du signal.

I satelliti geostazionari sono posizionati su di un'orbita in prossimità dell'equatore e sono ben allineati con l'asse terrestre. Pertanto, rispetto ad una qualunque posizione geografica che non corrisponda alla linea equatoriale, tutti i satelliti appaiono spostati ad est o ad ovest del proprio sud, come se fossero inclinati. Accade allora che le polarizzazioni di quei satelliti non siano più orizzontali o verticali rispetto alla propria posizione, bensì oblique. Pertanto, se il convertitore di frequenza (LNB) non ruota degli stessi gradi per cui il satellite appare inclinato, le polarizzazioni risulteranno disallineate. L'opzione skew è appunto un sistema di compensazione che, agendo fisicamente sull'LNB, riconosce la posizione geografica e ne modifica automaticamente l'inclinazione, ottimizzando la polarizzazione per ottenere la migliore qualità possibile del segnale.

SKEW OPTION
AUTOMATIC SKEW ADJUSTMENT SYSTEM
Compensation system
for V9104 and V9804

4 DECODER OUTPUT
By multioutput coaxial rotating joint

V9104SKEW

V9804SKEW

XDOME

SKY ITALIA APPROVED

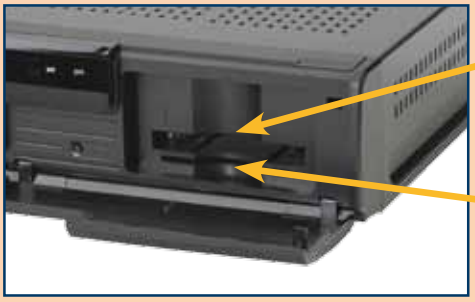
220Vac

XDOME is a combi decoder to receive high-definition terrestrial digital and satellite signals through the HDMI digital video output. It is the first decoder compatible with the offer by SKY Italia, by integrating the functions of more digital receivers into a single product, and allows watching SKY channels, free satellite channels, pay-TVs and all terrestrial digital free channels. XDOME also enables using the new Tivùsat XD CAM, which allows watching TV programmes with high definition, and further integrates the possibility of watching Sky, Tivùsat and DTT channels by means of a single product. Official NDS Videoguard smart card reader by SKY Italia - Common Interface (CI) Slot compatible with the main offers available for digital terrestrial and satellite TV (Mediaset Premium, Conto TV, etc.) - 5000 storable channels - 5 video outputs.

XDOME est un décodeur combiné pour recevoir des signaux numériques terrestres et satellitaires à haute définition à travers la sortie vidéo numérique HDMI. C'est le premier décodeur compatible avec l'offre par SKY Italia, parce qu'il intègre les fonctions de plusieurs récepteurs numériques dans un seul produit, et permet de regarder les chaînes SKY, les chaînes satellitaires gratuites, les pay-TV et les chaînes numériques terrestres gratuites. XDOME permet aussi l'utilisation du nouveau Tivùsat XD CAM, qui permet de regarder des programmes TV en haute définition, et intègre en outre la possibilité de regarder les chaînes Sky, Tivùsat et DTT au moyen d'un seul produit. Lecteur de carte smart NDS Videoguard officiel de SKY Italia - Common Interface (CI) Slot compatible avec les offres principales disponibles pour la télévision numérique terrestre et satellitaire (Mediaset Premium, Conto TV, etc.) - 5000 chaînes mémorisables - 5 sorties vidéo.

XDOME è un decoder combo predisposto a ricevere i segnali del digitale terrestre e quelli satellitari in alta definizione, dispone di un'uscita video digitale HDMI. È il primo decoder compatibile con l'offerta SKY Italia, che integra le funzionalità di più ricevitori digitali in un unico prodotto e consente di vedere il palinsesto SKY, i canali satellitari free, le pay tv e tutti i canali free del digitale terrestre. Inoltre, XDOME prevede la possibilità di utilizzare la nuova XD CAM Tivùsat che consentirà la visione dei palinsenti e delle programmazioni in HD, integrando ulteriormente la visione di Sky, Tivùsat e il DTT in un unico prodotto. Lettore smartcard NDS Videoguard ufficiale SKY Italia - Slot Common Interface (CI) compatibile con le principali offerte disponibili sul digitale terrestre e satellitare (Mediaset Premium, Conto TV, etc.) - 5000 canali memorizzabili – 5 uscite video.

V9192 XDOME



DVB S SATELLITE DVB S2 SATELLITE DVB T TERRESTRIAL HD HDMI

12Vdc - 220Vac

I-CAN 1110SV, is a decoder designed by ADB to access the Tivùsat television option. It is a Standard Definition (SD) satellite receiver, provided with two smart card readers, which allow using a further card for receiving satellite pay services provided by other providers without having to change the relevant cards. I-CAN 1110SV is supplied at 12V and 220V, a feature which makes it the ideal solution for mobile vehicles, thanks to its reduced size, two SCART outputs (TV and VCR connection), its DiSEqC and UNICABLE functions and a full connectivity with home-cinema systems. The decoder is also provided with unique energy saving features, which guarantee a passive stand-by consumption lower than that of any other standard receiver.

I-CAN 1110SV, est un décodeur projeté par ADB pour accéder à l'offre télé Tivùsat. C'est un récepteur satellitaire avec Définition Standard (SD), doté de deux lecteurs de cartes smart, qui permettent d'utiliser une carte additionnelle pour la réception des services payants satellitaires fournis par d'autres fournisseurs, sans devoir changer les cartes. I-CAN 1110SV est alimenté à 12V et 220V, une caractéristique qui en fait la solution idéale pour les véhicules mobiles, grâce à ses dimensions réduites, deux sorties SCART (connexion TV et VCR), ses fonctions DiSEqC et UNICABLE et une connectivité complète avec les systèmes de home cinéma. Le décodeur est également fourni avec des caractéristiques d'économie d'énergie, ce qui garantit une consommation en stand-by plus basse que celle de tout autre récepteur standard.

I-CAN 1110SV, è un decoder concepito da ADB per accedere all'offerta televisiva satellitare Tivùsat. È un ricevitore satellitare Standard Definition (SD) dotato di due lettori di smart card che consentono l'utilizzo di un ulteriore card per la ricezione di servizi a pagamento forniti via satellite da altri provider senza che si debba alternare le relative tessere. I-CAN 1110SV si caratterizza per un'alimentazione a 12V e 220V che lo rende ideale per i veicoli mobili, per le dimensioni ridotte, per due uscite SCART (connessione a TV e VCR), per le funzionalità DiSEqC e UNICABLE e per la piena connettività verso impianti di home cinema. Inoltre, il decoder è dotato di funzionalità uniche di risparmio energetico che garantiscono consumi in standby passivo inferiori a qualsiasi ricevitore standard.

V9193 DECODER I-CAN 1110SV

V9331TWIN

TWIN RADOME - ABS/PMMA + U.V. PROTECTION FOR V9331 URANIA 2

V8001TWIN

TWIN RADOME - ABS/PMMA + U.V. PROTECTION FOR V8001 PANDORA

V9000TWIN

TWIN RADOME - ABS/PMMA + U.V. PROTECTION FOR V9000 VENUS

V8100TWIN

TWIN RADOME - ABS/PMMA + U.V. PROTECTION FOR V8100 RHEA

V9100-V9104TWIN

TWIN RADOME - ABS/PMMA + U.V. PROTECTION FOR V9100-V9104 SATURN

V9801-V9804TWIN

TWIN RADOME - ABS/ PMMA + U.V. PROTECTION FOR V9801-V9804 MARS

R8500TWIN

TWIN RADOME - ABS/PMMA + U.V. PROTECTION FOR R8500 DANUBE

R9804TWIN

TWIN RADOME - ABS/ PMMA + U.V. PROTECTION FOR R9804 RHINE TWIN RADOME - ABS/PMMA + U.V. PROTECTION FOR R9804 RHINE

SATPAINT

RAL COLOR PAINTING - ABS/PMMA + POLYURETHANE PAINT - FOR SATELLITE ANTENNAS AND TWIN

V9500

0/5° ADJUSTABLE - STAINLESS STEEL - FOR SATELLITE AND DIRECTIONAL TV ANTENNAS

ELECTROPOLISHED

V9192

COMBO RECEIVER
SMART CARD READER SLOT COMMON INTERFACE (CI) COMPATIBLE WITH THE MAIN OFFERS AVAILABLE FOR TERRESTRIAL DIGITAL AND SATELLITE TV
5000 STORABLE CHANNELS
5 VIDEO OUTPUTS
220 Vac

V9193

DECODER SAT I-CAN 1110 SV TIVÙSAT RECEIVER TWO SMART CARD READERS - 12Vdc / 220Vac

V9191

ACTIVE MULTISWITCH 4X4 - FOR MULTI OUTPUT SATELLITE ANTENNAS

3 satellites
Standard: ASTRA2 28,2°E, ASTRA1 19,2°E
and HOTBIRD 13°E other on request

STANDARD ON URANIA 2, PANDORA, RHEA AND DANUBE

Control unit supplied with Urania 2 (V9331), Pandora (V8001), Rhea (V8100) e Danube (R8500). On the control unit you can easily select 3 preloaded satellites by means of the relevant selector on the front side (Astra2 28.2°E, Astra1 19.2°E e Hotbird 13°E). Selecting the satellite, the led showes the reception status of satellite TV signal:

- red, searching for the signal
- orange, checking if the found satellite is the right one
- green, the signal is found and checked

Moreover, the control unit has a software that can be updated by SD card, to be inserted into the relevant slot on the control unit side, in order to have a constantly updated high performance satellite TV antenna over time.

Unité de contrôle pour Urania 2 (V9331), Pandora (V8001), Rhea (V8100) e Danube (R8500). Avec cette unité de contrôle vous pouvez sélectionner 3 satellites préchargés; grâce à le sélecteur situé sur le devant de l'unité de contrôle, en fait, vous pouvez sélectionner le satellite préféré avec une grande facilité (Astra2 28,2 ° E, Astra1 19,2 ° E et Hotbird 13 ° E). Choisi le satellite, la del indique l'état de réception des signaux satellitaires:

- Del rouge: recherche de signal
- Del orange, vérification du signal trouvé
- Del vert, signal trouvé et vérifié

Le logiciel de l'unité de contrôle peut être mis à jour par carte SD, à introduire dans la fente correspondante sur le côté de l'unité de contrôle afin d'obtenir une antenne TV satellitaire constamment mise à jour dans le temps et avec d'excellentes performances.

Unità di controllo in dotazione a Urania 2 (V9331), Pandora (V8001), Rhea (V8100) e Danube (R8500). Questa unità di controllo permette la selezione di un massimo di 3 satelliti pre-caricati al suo interno; grazie al pomello presente sul fronte dell'unità di controllo, infatti, il diportista può selezionare con grande facilità il satellite preferito (Astra2 28.2°E, Astra1 19.2°E e Hotbird 13°E). Una volta selezionato il satellite il led, posizionato sotto il pomello, indica lo stato di ricezione del segnale televisivo satellitare:

- colore rosso, ricerca del segnale
- colore arancione, verifica del segnale trovato
- colore verde, segnale televisivo trovato e verificato

L'unità di controllo, inoltre, dispone della possibilità di aggiornamento software a mezzo SD card da inserire nell'apposito slot posizionato sul fianco dell'unità. Ciò consente di avere un'antenna TV satellitare sempre aggiornata nel tempo e dalle prestazioni ottimali.

GLOMEX CONTROL UNITS

8 satellites
Standard: ASTRA3 23,5°E, ASTRA2 28,2°E, ASTRA1 19,2°E, HOTBIRD 13°E, EUROBIRD 9°E, SIRIUS 4,8°E, THOR 1°W and HISPASAT 30°W other on request

STANDARD ON VENUS, SATURN 1, SATURN 4, MARS 1, MARS 4 AND RHINE

Control unit supplied with Venus (V9000), Saturn1 (V9100), Saturn4 (V9104), Mars1 (V9801), Mars4 (V9804) e Rhine (R9804). On the control unit you can easily select 8 preloaded satellites (Astra2 28.2°E, Astra3 23.5°E, Astra1 19.2°E, Hotbird 13°E, Eurobird 9°E, Sirius 4.8°E, Thor 1°W, Hispasat 30°W) by means of the relevant selector on the front side and the display where they are showed the satellite, the searching status and where it's possibile to choose the language (english, french, german italian and spanish). Control unit can be embedded into the on-board electric panel and, thanks to the particular design, can be easily integrated into the cabin ship. The control unit is equipped with all the necessary accessories for the fastening to a vertical or horizontal wall or to the roof. The Glomex control unit is prearranged for future updating in order to have a constantly updated high performance satellite TV antenna over time.

Unité de contrôle pour Venus (V9000), Saturn1 (V9100), Saturn4 (V9104), Mars1 (V9801), Mars4 (V9804) et Rhine (R9804). Avec cette unité de contrôle vous pouvez sélectionner 8 satellites préchargés (Astra2 28.2°E, Astra3 23.5°E, Astra1 19.2°E, Hotbird 13°E, Eurobird 9°E, Sirius 4.8°E, Thor 1°W, Hispasat 30°W), facilement sélectionnés, en appuyant sur la touche située sur le front et l'afficheur où vous pouvez voir le satellite sélectionné, l'état de la recherche des signaux et où vous pouvez sélectionner votre langue préférée (allemand, anglais, espagnol, français et italien). L'unité de contrôle peut être intégrée dans le tableau de bord électrique et, grâce à son design spécial, elle s'intègre parfaitement dans la cabine du bateau. L'unité, enfin, est équipée de tous les accessoires nécessaires pour sa fixation à une paroi verticale, sur une surface horizontal ou sur le toit. L'unité de contrôle Glomex, d'ailleurs, est préreglées pour une mises à jour future afin d'obtenir une antenne TV satellitaire constamment mise à jour dans le temps et avec d'excellentes performances.

Unità di controllo in dotazione a Venus (V9000), Saturn1 (V9100), Saturn4 (V9104), Mars1 (V9801), Mars4 (V9804) e Rhine (R9804). Questa unità di controllo permette la selezione di 8 satelliti pre-caricati (Astra2 28.2°E, Astra3 23.5°E, Astra1 19.2°E, Hotbird 13°E, Eurobird 9°E, Sirius 4.8°E, Thor 1°W, Hispasat 30°W) facilmente selezionabili attraverso il pulsante collocato sul fronte. Sul display, inoltre, è visualizzato il satellite selezionato, lo stato della ricerca dello stesso ed è possibile selezionarla lingua preferita tra inglese, italiano, francese, spagnolo e tedesco. L'unità di controllo può essere integrata nel quadro elettrico e, grazie al particolare design, si integra perfettamente nella cabina della nave. L'unità, infine, è dotata di tutti gli accessori necessari per il suo fissaggio sia in una parete verticale sia su un piano orizzontale o sul soffitto. L'unità di controllo Glomex, inoltre, è predisposta per futuri aggiornamenti consentendo all'antenna TV satellitare di essere sempre aggiornata nel tempo e di avere eccellenti prestazioni.

V9500 MOUNT

0/5°
ADJUSTABLE INCLINATION

ELECTROPOLISHED

V9500 is a electropolished stainless steel mount for all Glomex Satellite and directional TV antennas able to put TV antennas in perfect vertical position even if the support surface is not perfectly horizontal. The V9500 mount, in fact, has an inclination range of 0 / 5 °, easily adjustable, which allows to give a better balance to the ship roll bar. Additionally, V9500 is equipped with two synthetic rubber gaskets for a perfect fit on the roll bar.

V9500 est un support en acier inoxydable electro-poli pour les antennes TV satellitaires et directionnelles analogiques et numériques terrestres Glomex réalisé pour mettre les antennes en position parfaitement verticale, même si la surface du roll bar n'est pas horizontale. Le support V9500, en fait, a un rayon d'inclinaison de 0 à 5 °, facilement réglables, qui permet de donner une harmonie au roll-bar du bateau. En outre, le V9500 est équipé de deux joints en gomme synthétique pour une adaptation parfaite sur le roll-bar.

Il V9500 è il supporto in acciaio inox elettrolucidato per tutte le antenne TV satellitari e direttive analogico-digitali della gamma Glomex in grado di porre le antenne TV in perfetta posizione verticale anche qualora il piano di appoggio non sia perfettamente orizzontale. Il supporto V9500, infatti, è dotato di un raggio di inclinazione da 0 a 5°, facilmente regolabile, che consente di dare una maggiore armonia al roll bar dell'imbarcazione. Inoltre, il V9500 è fornito con due guarnizioni in gomma per un ideale accoppiamento sul piano del roll bar.

With the exception of the directional options, the omni-directional antennas have a wider reception angle and receive a TV signal throughout 360°. The width of the reception angle compensates, even if partially, the loss of quality caused by the rolling, pitching or tilting of the boat trim. The most important shipyards of the world choose Glomex omni-directional TV antennas. They receive both VHF and UHF frequencies, being fed to 12/24V DC by a suitable adaptor operating at 220V AC, and allow the viewing of TV programs broadcasted with analog and digital terrestrial system.

Cette antenne aux dimensions très compactes (diamètre du disque 390 mm/15'') qui, grâce à l'utilisation du matériel et du logiciel de la nouvelle série MK2+, assure de nouvelles performances quant à la qualité et à la réception du signal. C'est une antenne gyro-stabilisée dotée d'un nouveau disque parabolique de la série HPD (High Performance Dish) combiné avec un logiciel novateur pour la recherche du signal et un innovant système de réduction de bruit STO (Silent Tracking Operation), permettent la compensation des pertes de qualité dues à la multiplication des satellites en orbite et aux transmissions sue les même fréquences et assurent un silence total. Venus est équipée de l'unité de contrôle avec écran LCD et 8 satellites préchargés. Venus est facile à installer, grâce à un câble coaxial simple (SCC) reliant directement l'antenne au téléviseur. Elle ne nécessite pas d'autres interventions pour la compensation ou le calibrage. Elle est préréglée pour de futures mises à jour.

ANTENNA NAME	AVIOR	TALITHA	ALTAIR
ANTENNA CODE	VT300	V9125/12	V9126
ANTENNA DIAMETER	100 mm (4")	250 mm (10")	250 mm (10")
ANTENNA HEIGHT	210 mm (8")	120 mm (5") [151 mm (5,9") with shark fin]	300 mm (12")
BASE DIAMETER	25 mm (1")	25 mm (1")	25 mm (1")
ANTENNA WEIGHT	250 g (8,81 oz)	350 g (12,34 oz) [405 g (14,29 oz) with shark fin]	430 g (15,17 oz)
RADOME MATERIAL	U.V. resistant ASA	U.V. resistant ASA	U.V. resistant ASA
ANGLE OF RECEPTION	360°	360°	360°
POLARIZATION	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical
IMPEDANCE	75 ohm	75 ohm	75 ohm
FREQUENCY RANGE	40/890 MHz	40/890 MHz	40/890 MHz
GAIN AVERAGE	24,5 dB	26 dB	27,5 dB
NOISE FACTOR	1,7 dB	2,2 dB	2,1 dB
POWER CONSUPTION	20 mA	20 mA	20 mA
POWER SUPPLY	12 Vdc	12-24 Vdc	12-24 Vdc
ADJUSTABLE GAIN	No	Yes	Yes
ANTENNA AMPL/BY PASS	No	No	Yes
A/B SWITCH	No	No	No
TV SET MAX	1	2	2
TERMINATION	F female	F female	F female
CONNECTOR SUPPLIED	F male gold plated connector (V9144)	F male gold plated connector (V9144)	F male gold plated connector (V9144)

OMNIDIRECTIONAL

DVBT

TNT TELEVISION NUMERIQUE TERRESTRE

DIGITALE TERRESTRE

CE

A differenza di quelle direttive, le antenne omnidirezionali hanno un angolo di ricezione più ampio e ricevono il segnale televisivo a 360°. L'ampiezza dell'angolo di ricezione compensa, seppur parzialmente, la perdita di qualità del segnale causata dai movimenti di rollio, beccheggio o dall'inclinazione assunta dall'imbarcazione. Le antenne TV omnidirezionali Glomex sono scelte dai più importanti cantieri nautici di tutto il mondo. Ricevono sia le frequenze VHF che le UHF, alimentandosi a 12/24V DC o, con un apposito adattatore, a 220V AC, e permettono di vedere i programmi televisivi trasmessi in analogico e digitale terrestre.

ANTENNA NAME	NASHIRA	NASHIRA	NASHIRA	ADHARA
ANTENNA CODE	V9112/12EC	V9112/12AB A/B SWITCH	V9112/12 AMP BY PASS	V9150/12
ANTENNA DIAMETER	370 mm (14")	370 mm (14")	370 mm (14")	370 mm (14")
ANTENNA HEIGHT	185 mm (7") [240 mm (9,5") with shark fin]	185 mm (7") [240 mm (9,5") with shark fin]	185 mm (7") [240 mm (9,5") with shark fin]	185 mm (7") [240 mm (9,5") with shark fin]
BASE DIAMETER	25 mm (1")	25 mm (1")	25 mm (1")	25 mm (1")
ANTENNA WEIGHT	900 g (31,74 oz) [975 g (34,39 oz) with shark fin]	900 g (31,74 oz) [975 g (34,39 oz) with shark fin]	900 g (31,74 oz) [975 g (34,39 oz) with shark fin]	900 g (31,74 oz) [975 g (34,39 oz) with shark fin]
RADOME MATERIAL	U.V. resistant ASA	U.V. resistant ASA	U.V. resistant ASA	U.V. resistant ASA
ANGLE OF RECEPTION	360°	360°	360°	360°
POLARIZATION	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical
IMPEDANCE	75 ohm	75 ohm	75 ohm	75 ohm
FREQUENCY RANGE	40/890 MHz	40/890 MHz	40/890 MHz	40/890 MHz
GAIN AVERAGE	27,5 dB	27,5 dB	27,5 dB	36 dB
NOISE FACTOR	2,2 dB	2,1 dB	2,1 dB	2,1 dB
POWER CONSUPTION	20 mA	20 mA	20 mA	20 mA
POWER SUPPLY	12-24 Vdc	12 Vdc	12-24 Vdc	12-24 Vdc
ADJUSTABLE GAIN	Yes	Yes	Yes	Yes
ANTENNA AMPL/BY PASS	No	No	**Yes**	no
A/B SWITCH	No	**Yes**	No	Yes
TV SET MAX	2	2	2	6
TERMINATION	F female	F female	F female	F female
CONNECTOR SUPPLIED	F male gold plated connector (V9144)	F male gold plated connector (V9144)	F male gold plated connector (V9144)	F male gold plated connector (V9144)

AVIOR

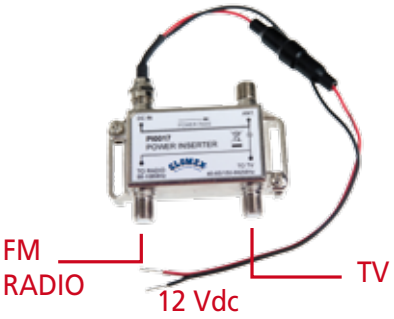
NEW

KEY POINTS
2 outputs: one to TV and one to FM radio

- Fix gain
- 1 input from the antenna
- High output level to TV system or to FM radio
- Power supply: 12 Vdc
- Gain average: 24.5 dB
- Noise factor: 1.7 dB

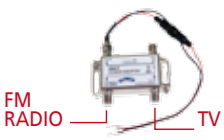
NEW HIGH GAIN AMPLIFIER

*see specifications page 26



VT300 AVIOR

TV + FM RADIO ANTENNA

 V9114PI-FM 2 way power inserter TV-AM/FM see page 46	V9139/10 10m/33' coax cable see page 130	V9143 1,5m/5' TV set cord see page 130	Universal mount	V9123 stainless steel masthead mount see page 45
Supplied	Supplied	Supplied	Supplied	Option

Sail Boat Power Boat

DVBT

TNT TELEVISION NUMERIQUE TERRESTRE

DIGITALE TERRESTRE

CE

AVIOR RETAIL PACKAGING

Avior is the TV/RADIO FM Omnidirectional antenna in the Glomex range characterized by very compact dimensions (diameter 100 mm/4”and height 210 mm/8”). It enables the user to watch TV programs broadcasted with analog and digital terrestrial system and to listen the radio. The new amplifier allows Avior to have an increase in the gain and to receive vertically and horizontally polarized TV signals coming from more directions at the same time. The inner amplifier, coupled to the power inserter with 2 independent outputs for TV and radio (V9114OI-FM), allows the
reception of VHF and UHF and FM frequencies with a single antenna. Avior can be installed on any kind of boat, whether sailboat or motorboat, and can be matched to the VHF RA121 antenna.

Avior est l’antenne omnidirectionnelle TV/RADIO FM de la gamme Glomex caractérisée par dimensions vraiment compactes (diamètre 100 mm et hauteur 210 mm), pour regarder les programmes TV analogique et numérique terrestre et pour écouter la radio. Avec le nouvel amplificateur Avior peut recevoir des signaux TV polarisés aussi bien verticalement qu’horizontalement, provenant de plusieurs directions en même temps. L’amplificateur interne, couplé au bloc d’alimentation de tension avec 2 sorties indépendantes pour TV et radio (V9114PI-FM), permet de recevoir aussi bien les fréquences VHF et UHF que les fréquences FM avec une seule antenne. Avior peut être installée sur tout type de bateau, aussi bien à voile qu’à moteur, et peut être assemblée à l’antenne VHF RA121.

Avior è la nuova l’antenna TV/RADIO FM omnidirezionale della gamma Glomex, estremamente ridotta nelle dimensioni con un diametro di appena 100 mm e un’altezza di 210 mm, per ricevere i segnali televisivi analogico-digitali ed ascoltare la radio. Grazie al nuovo amplificatore ad alte performance e a bassa figura di rumore, Avior è in grado di ricevere in maniera molto efficace il segnale da più direzioni contemporaneamente e segnali TV in polarizzazione orizzontale e verticale. Inoltre, l’amplificatore interno, accoppiato all’inseritore di tensione con 2 uscite indipendenti per TV e radio (V9114PI-FM), permette di ricevere con un’unica antenna sia le frequenze VHF e UHF, sia le frequenze FM. Avior può essere facilmente installata su ogni tipo di imbarcazione, a vela o a motore, e può essere abbinata all’antenna VHF RA121, identica nelle dimensioni.

V9124 stainless steel universal mount see page 45	V9148 AM/FM radio cable see page 45	V9192 XDOME Decoder combo SAT - DVBT see page 45	RA121 (VHF) see page 50
Option	Option	Option	Match appearance

*see specifications page 26

AMPLIFIER

V9125/12 TALITHA

OMNIDIRECTIONAL
ANALOG-DIGITAL TV ANTENNAS

50023/98EC line amplifier + wall plastic mount see page 46	V9139/20 20m/66' coax cable see page 130	V9143 1,5m/5' TV set cord see page 130	V9144 F-male gold plated connectors (2pcs) see page 132	V9147 2 way splitter see page 45	V9124 stainless steel universal mount see page 45
Supplied	Supplied	Supplied	Supplied	Option	Option

Sail Boat Power Boat

DVBT

TNT TELEVISION NUMERIQUE TERRESTRE

DIGITALE TERRESTRE

CE

V9125/12 with 50023/98EC AMPLIFIER

AMPLIFIER MIN - MAX GAIN

50023/98EC AMPLIFIER

KEY POINTS

- Adjustable gain
- 1 input: from the antenna
- 1 output: TV or the 2 way splitter
- Power supply: 12-24 Vdc.
- Power consumption: <20mA
- Gain average: 27.5 dB
- Noise factor: 2.2 dB

Glomex suggests to use the V9146 F 90° connector to install the antenna.

Glomex conseille l'utilisation du connecteur V9146 F 90° pour l'installation de l'antenne.

Glomex consiglia l'utilizzo del connettore V9146 F 90° per l'installazione dell'antenna.

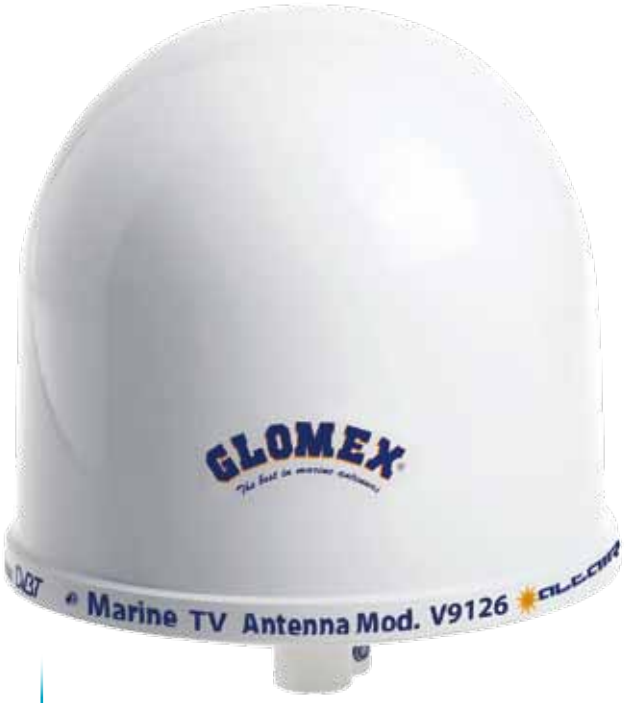
The V9125/12 is the Omni-directional TV antenna renewed in design and performance keeping the essential style that is the ideal solution for any type of boat. V9125/12 is also characterized by compact dimensions (diameter 250mm / 10") and high quality materials. Talitha is distinguished by an innovative design based to the new pinnacle as a "shark fin" (high 31 mm /1,2"), for receiving vertically polarized TV signals, that fits perfectly on the new radome with aerodynamic lines. Thanks to vertical pinnacle inside the "shark fin", Talitha can receive analog or digital TV signals polarized both horizontally and vertically, thus it is the ideal solution for any type of boat, sailboat or motorboat. Talitha is equipped with the 50023/98EC amplifier allowing the adjustment of received signal's gain intensity. If matched with a splitter V9147 (2-way, optional) installed between the antenna the antenna and the amplifier, it can also receive AM-FM radio frequencies.

La V9125/12 est une antenne TV omnidirectionnelle renouvelée dans le design et la prestation, en maintenant le style essentiel que représente la solution idéale pour tout type de bateau. V9125/12 se caractérise aussi pour les dimensions compactes (diamètre 250 mm / 10") et matériaux de haute qualité. Talitha se distingue pour le design innovant avec le nouveau pinacle en forme d'ailerons de requin (haute 31 mm/1,2"), pour la réception des signaux TV polarisés verticalement, qui s'adapte parfaitement sur le nouveau radome avec des lignes aérodynamiques. Avec le pinacle vertical comme l'«ailerons du requin », Talitha peut recevoir les signaux TV analogiques et numériques terrestres polarisés aussi bien verticalement qu'horizontalement, représentant la solution idéal pour tout type de bateau, aussi bien à voile qu'à moteur. Talitha est équipée de l'amplificateur 50023/98EC qui permet le réglage de l'intensité du gain du signal reçu. Si elle est assemblée à un répartiteur V9147 (à 2 voies en option), installé entre l'antenne et l'amplificateur, elle peut aussi recevoir les fréquences radio AM-FM.

La V9125/12 si rinnova in design e prestazioni, nel segno della continuità con lo stile essenziale apprezzato da sempre per la capacità di integrarsi magnificamente su ogni tipo di imbarcazione, mantenendo allo stesso tempo dimensioni compatte (diametro 250 mm/10") e materiali costruttivi di altissima qualità. Talitha si caratterizza per un design innovativo grazie alla nuova appendice a "pinna di squalo" (alta 31 mm/1,2"), per la ricezione dei segnali in polarizzazione verticale, che si integra perfettamente sul radome superiore grazie alle nuove linee aerodinamiche appositamente studiate. Grazie allo stilo verticale inserito all'interno della "pinna di squalo", Talitha permette la ricezione dei segnali televisivi analogico-digitali in entrambe le polarizzazioni, orizzontale e verticale, per tale motivo è la soluzione ideale per qualsiasi tipo di imbarcazione, a vela o a motore. Talitha è un'antenna TV omnidirezionale dotata dell'amplificatore 50023/98EC che consente di regolare l'intensità del guadagno sul segnale ricevuto. Se abbinata ad uno splitter V9147 (2 way, opzionale) installato tra l'antenna e l'amplificatore, può ricevere anche le frequenze radio AM-FM.

V9123 stainless steel masthead mount see page 45	V9117 220V AC adaptor see page 45	V9148 AM/FM radio cable see page 45	V9146 F90° connector see page 45	V9192 XDOME Decoder combo SAT - DVBT see page 45
Option	Option	Option	Option	Option

ALTAIR



*see specifications page 26

AMPLIFIER

V9126 ALTAIR

50023/98 line amplifier + wall plastic mount see page 46	V9139/20 20m/66' coax cable see page 130	V9143 1,5m/5' TV set cord see page 130	Universal mount	V9144 F-male gold plated connectors (2pcs) see page 130
Supplied	Supplied	Supplied	Supplied	Option

LIFETIME GLOMEX WARRANTY

28db
Vertical Polarization

OMNIDIRECTIONAL
ANALOG-DIGITAL TV ANTENNAS

Power Boat Big Yacht Commercial Ship

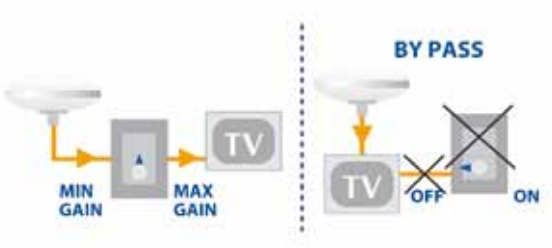
DVBT

TNT TELEVISION NUMERIQUE TERRESTRE

DIGITALE TERRESTRE

CE

V9126 with 50023/98 AMPLIFIER



50023/98 AMPLIFIER

KEY POINTS

- Adjustable gain
- 2 inputs: one from the antenna and the other one from the dock or the DVD
- 1 output: TV
- Amplifier/by-pass
- Power supply: 12-24 Vdc
- High output level to the TV system or to the 2/4 way splitter (max 4)
- Gain average: 27.5 dB
- Noise factor: 2.1dB

Altair is the omni-directional TV antenna ensuring high performance in signal reception with both polarizations: horizontal and vertical. In fact Altair, is different to the other omni-directional antennas, in that it has a Radome with dimensions (diameter 250 mm/10", height 300 mm/12") allowing the installation of the vertical reception component inside. Altair is equipped with amplifier with by-pass function (50023/98.) In order to keep a balanced look of your boat, Altair can be matched to the VHF RA124, as they are identical in shape and size.

Altair est une antenne TV omnidirectionnelle garantissant une performance élevée et la réception des signaux dans les deux polarisations : horizontale et verticale. En effet, Altair, comparée aux autres antennes omnidirectionnelles, a un radôme aux dimensions suivantes : (diamètre 250 mm, hauteur 300 mm), qui permet l'installation d'un élément de réception verticale à l'intérieur de celui-ci. Altair est équipée d'un amplificateur avec fonction by-pass (50023/98). Pour maintenir un aspect équilibré à votre bateau, Altair peut être installée avec l'antenne VHF RA124, car de forme et de dimension identiques.

Altair è l'antenna TV omnidirezionale che garantisce elevate performance nella ricezione dei segnali in entrambe le polarizzazioni: orizzontale e verticale. Rispetto alle altre antenne omnidirezionali, infatti, Altair ha un radome di dimensioni tali (diametro 250 mm/10'', altezza 300 mm/12'') da permettere l'installazione dell'elemento di ricezione verticale al proprio interno. Altair è dotata di un amplificatore con funzione by-pass (50023/98). Per mantenere un look bilanciato sulla propria imbarcazione, Altair può essere abbinata all'antenna VHF RA124, identica per forma e dimensione.

V9124 stainless steel universal mount see page 45	V9148 AM/FM radio cable see page 45	V9192 XDOME Decoder combo SAT - DVBT see page 45	RA124 (VHF) see page 50
Option	Option	Option	Match appearance

NASHIRA

*see specifications page 27

V9172
Stainless steel mount for V9112/12 and V9150/12

AMPLIFIER

V9112/12 NASHIRA

OMNIDIRECTIONAL
ANALOG-DIGITAL TV ANTENNAS

50023/98 or 50023/98EC or 50023/98SR12 line amplifier + wall plastic mount see page 46	V9139/20 20m/66' coax cable see page 130	V9143 1,5m/5' TV set cord see page 130	V9144 F-male gold plated connectors (2pcs) see page 130	V9147 2 way splitter see page 45	V9172 Stainless steel mount for V9112/12 and V9150/12 see page 50
Supplied	Supplied	Supplied	Supplied	Option	Option

Sail Boat Power Boat

DVBT

TNT TELEVISION NUMERIQUE TERRESTRE

DIGITALE TERRESTRE

CE

V9112/12	V9112/12EC	V9112/12AB
50023/98 AMPLIFIER	**50023/98EC AMPLIFIER**	**50023/98SR12 AMPLIFIER**

*see specifications page 37

After more than 25 years of leadership as the best seller TV antenna in the world, the V9112/12 is renewed in design and performance keeping the essential style that is the ideal solution for any type of boat. V9112/12 is also characterized by compact dimensions (diameter 370mm / 14") and high quality materials. Nashira is distinguished by an innovative design based to the new pinnacle as a "shark fin" (high 55mm /2,2"), for receiving vertically polarized TV signals, that fits perfectly on the new radome with aerodynamic lines. The new reinforced base, coupled with the Glomex exclusive micro-fused, electro-polished and hand polished stainless steel mount (code V9172), ensures the best antenna's stability in any sea conditions. Thanks to vertical pinnacle inside the "shark fin", Nashira can receive polarized TV signals both horizontally and vertically, thus it is the ideal solution for any type of boat, sailboat or motorboat.
The terrestrial signal quality, either analog or digital, can also be tuned by turning the amplifier. Nashira is available with 3 different amplifiers: 50023/98, 50023/98EC e 50023/98SR12 A/B (the supplied amplifier determines the antenna version). If matched with a splitter V9147 (2-ways, optional) installed between the antenna and the amplifier, it can also receive AM-FM radio frequencies.

Après plus de 25 ans de leadership comme antenne TV marine la plus vendue au monde, la V9112/12 est renouvelée dans le design et la performance, en maintenant le style essentiel que représente la solution idéale pour tout type de bateau. V9112/12 se caractérise aussi pour les dimensions compactes (diamètre 370 mm / 14") et matériaux de haute qualité. Nashira se distingue pour le design innovant avec le nouveau pinacle en forme d'ailerons de requin (haute 55 mm/2,2"), pour la réception des signaux TV polarisés verticalement, qui s'adapte parfaitement sur le nouveau radome avec des lignes aérodynamiques. La nouvelle base renforcée, couplée avec le support exclusif Glomex en acier inoxydable électro-poli, fabriqué à la main et obtenu par micro-fusion (code V9172), assure la stabilité de la meilleure antenne dans toutes les conditions de la mer. Avec le pinacle vertical comme l'«ailerons du requin », Nashira peut recevoir les signaux TV polarisés aussi bien verticalement qu'horizontalement, représentant la solution idéal pour tout type de bateau, aussi bien à voile qu'à moteur. La qualité de la réception des signaux TV analogiques et numériques terrestres peut être étalonnée à travers l'amplificateur. Nashira est disponible avec 3 amplificateurs différents: 50023/98, 50023/98EC e 50023/98SR12 A/B (l'amplificateur fourni détermine la version de l'antenne). Si elle est assemblée à un répartiteur V9147 (à 2 voies en option), installé entre l'antenne et l'amplificateur, elle peut aussi recevoir les fréquences radio AM-FM.

Dopo oltre 25 anni di leadership come antenna televisiva marina terrestre più venduta al mondo, la V9112/12 si rinnova in design e prestazioni, nel segno della continuità con lo stile essenziale apprezzato da sempre per la capacità di integrarsi magnificamente su ogni tipo di imbarcazione, mantenendo allo stesso tempo dimensioni compatte (diametro 370 mm/14") e materiali costruttivi di altissima qualità. Nashira si caratterizza per un design innovativo grazie alla nuova appendice a "pinna di squalo" (alta 55 mm/2,2"), per la ricezione dei segnali in polarizzazione verticale, che si integra perfettamente sul radome superiore grazie alle nuove linee aerodinamiche appositamente studiate. La nuova base rinforzata, abbinata all'esclusivo supporto in acciaio inox microfuso, elettrolucidato e lucidato a mano cod. V9172, garantiscono la massima stabilità dell'antenna in qualsiasi condizione di navigazione. Grazie allo stilo verticale inserito all'interno della "pinna di squalo", Nashira permette la ricezione dei segnali in entrambe le polarizzazioni, orizzontale e verticale, perciò è la soluzione ideale per qualsiasi tipo di imbarcazione, a vela o a motore. La qualità della ricezione dei segnali televisivi analogici e digitali terrestri dipende anche dalla scelta dell'amplificatore. Nashira è disponibile con 3 diversi amplificatori: 50023/98, 50023/98EC e 50023/98SR12 A/B (l'amplificatore fornito determina la versione dell'antenna). Se abbinata ad uno splitter V9147 (2 way, opzionale) installato tra l'antenna e l'amplificatore, può ricevere anche le frequenze radio AM-FM.

V9173TV stainless steel masthead mount see page 45	V9117 220V AC adaptor see page 45	V9148 AM/FM radio cable see page 45	V9149 2 way radio cable see page 45	V9113 seagull protection see page 45	V9146 F90° connector see page 45	V9192 XDOME Decoder combo SAT - DVBT see page 45
Option	Option	Option	Option	Option	Option	Option

CE

GLOMEX TV AMPLIFIERS FOR V9112/12

The amplifier is a device allowing you to monitor the antenna gain, by adjusting the intensity of the signal input or output. Generally the amplifier allows the adjustment of the signal power in order to optimize the reception: it amplifies the weaker signals or damps the stronger ones. In the areas crowded with strong signals, you can activate the by-pass function (if provided), by disconnecting the amplification and transmitting directly to the TV-set without troubling the reception. If an alternative TV connection is available (for instance from dock) and you have an amplifier with A/B switch as well, you can cut off the TV-signal reception of your antenna and receive directly from another source. The amplifier can be installed on walls or embedded/flush mounted (all fittings are supplied.)

GLOMEX AMPLIFICATEURS TV POUR V9112/12

L'amplificateur est un dispositif qui permet de contrôler le gain de l'antenne, en ajustant l'intensité de la réception ou de la transmission du signal. En général, l'amplificateur permet de régler la puissance du signal, afin d'optimiser sa réception : il amplifie les signaux les plus faibles ou atténue les plus forts. Dans des zones à forte densité en signaux, il est possible d'activer la fonction by-pass (si fournie), en désactivant l'amplificateur et en transmettant directement au téléviseur sans perturber la réception. Dans le cas où l'on dispose d'un branchement en courant alternatif (par exemple à quai) et d'un amplificateur avec commutateur A/B, il est possible d'interrompre la réception du signal TV de votre antenne et de recevoir le signal directement d'une autre source. Les amplificateurs peuvent être installés ou incorporés dans les cloisons (les supports sont fournis en série).

AMPLIFICATORE TV GLOMEX PER V9112/12

L'amplificatore è un dispositivo che consente di controllare il guadagno dell'antenna, aggiustando l'intensità del segnale in ingresso o in uscita. In generale, l'amplificatore consente di regolare la potenza del segnale al fine di ottimizzare la ricezione: amplificare i segnali più deboli o attenuare quelli più forti. Nelle aree dense di forti segnali è possibile attivare la funzione by-pass (dove prevista), escludendo l'amplificazione e trasmettendo direttamente all'apparato televisivo senza disturbare la ricezione. Nel caso in cui si disponga di un allacciamento TV alternativo (ad es. in banchina) e di un amplificatore con funzione A/B switch, è possibile interrompere la ricezione del segnale TV dalla propria antenna e ricevere direttamente dall'altra fonte. Gli amplificatori possono essere installati a muro o a incasso (supporti forniti di serie).

GLOMEX TV AMPLIFIERS FOR V9112/12

Glomex suggests to use the V9146 F 90° connector to install the antenna.

Glomex conseille l'utilisation du connecteur V9146 F 90° pour l'installation de l'antenne.

Glomex consiglia l'utilizzo del connettore V9146 F 90° per installare l'antenna.

V9147 (Two way splitter)

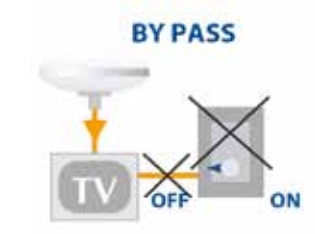
SPLITTER FOR TV ANTENNAS (Option)

OMNIDIRECTIONAL
ANALOG-DIGITAL TV ANTENNAS

Sail Boat

Power Boat

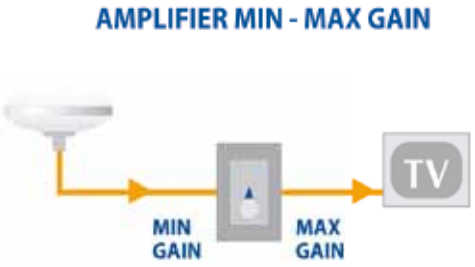
V9112/12 with 50023/98 AMPLIFIER



50023/98 KEY POINTS

- Adjustable gain
- 2 inputs: one from the antenna and the other one from the dock or the DVD
- 1 output: TV
- Amplifier/by-pass
- Power supply: 12-24 Vdc
- High output level to the TV system or to the 2 way splitter
- Gain average: 27.5 dB
- Noise factor: 2.1dB

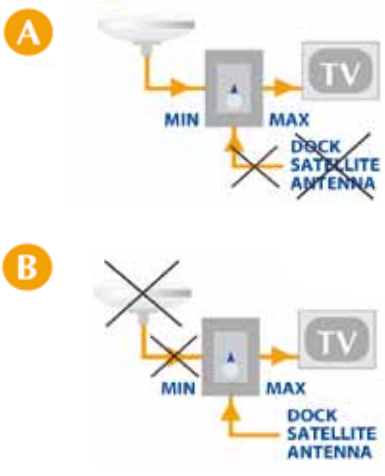
V9112/12EC with 50023/98EC AMPLIFIER



50023/98EC KEY POINTS

- Adjustable gain
- 1 input: from the antenna
- 1 output: TV or the 2 way splitter
- Power supply: 12-24 Vdc.
- Power consumption: <20mA
- Gain average: 27.5 dB
- Noise factor: 2.2 dB

V9112/12AB with 50023/98SR12 A/B SWITCH AMPLIFIER



50023/98SR12 A/B SWITCH KEY POINTS

- Adjustable gain
- 2 inputs: one from the antenna and the other one from the dock (A/B switch)
- 1 output: TV or the 2 way splitter
- Power supply: 12 Vdc
- Gain average: 27.5 dB
- Noise factor: 2.1 dB
- A/B switch: when the knob is turned to the "A" input antenna, the amplifier is on. On "B" means the input is from the dock or from another source and the amplifier is off

V9150/12 ADHARA

*see specifications page 27

V9172
Stainless steel mount for V9112/12 and V9150/12

AMPLIFIER

V9150/12 ADHARA

OMNIDIRECTIONAL
ANALOG-DIGITAL TV ANTENNAS

50023/98SR12 line amplifier + wall plastic mount see page 46	50022/10 6 way line amplifier see page 40	V9139/20 20m/66' coax cable see page 130	V9139/25 25m/82' coax cable (2 pcs) see page 130	V9144 F-male gold plated connectors (11 pcs) see page 132
Supplied	Supplied	Supplied	Supplied	Supplied

Power Boat Big Yacht Commercial Ship

DVBT

TNT TELEVISION NUMERIQUE TERRESTRE

DIGITALE TERRESTRE

CE

The new V9150/12 is the Omni directional TV antenna renewed in design and performance keeping the essential style, compact dimensions (diameter 370mm / 14") and high quality materials, developed to meet the requirements of large yachts and cargo ships. Adhara is distinguished by an innovative design based to the new pinnacle as a "shark fin" (high 55mm /2,2"), for receiving vertically polarized TV signals, that fits perfectly on the new radome with aerodynamic lines. Thanks to vertical pinnacle inside the "shark fin", Adhara can receive analog or digital TV signals polarized both horizontally and vertically. Adhara is equipped with 2 amplifiers: the 50023/98SR12 amplifier can be equipped with the A/B switch option (from antenna or other source), and the 50022/10 is both amplifier and splitter allowing the signal to be directed to several TVs whilst retaining a high quality image.

La nouvelle V9150/12 est une antenne TV omnidirectionnelle renouvelée dans le design et la prestation, en maintenant le style essentiel, dimensions compactes (diamètre 370 mm / 14") et matériaux de haute qualité, développée pour satisfaire les exigences de grands yachts et des bateaux de commerce. Adhara se caractérise pour le design innovant avec le nouveau pinacle en forme d'ailerons de requin (haute 55 mm/2,2"), pour la réception des signaux TV polarisés verticalement, qui s'adapte parfaitement sur le nouveau radome avec des lignes aérodynamiques. Avec le pinacle vertical comme l' «ailerons du requin», Adhara peut recevoir les signaux TV analogiques et numériques terrestres polarisés aussi bien verticalement qu'horizontalement. Adhara est équipée de 2 amplificateurs: l'amplificateur 50023/98SR12 est aussi doté du commutateur A/B pour la réception par l'antenne ou par d'autre source, et le 50022/10 qui est à la fois un amplificateur et un répartiteur de signaux vers plusieurs téléviseurs sans perte de qaulité.

La nuova V9150/12 si rinnova in design e prestazioni, nel segno della continuità con lo stile essenziale, le dimensioni compatte (diametro 370 mm/14") e materiali costruttivi di altissima qualità che la rendono ideale per soddisfare le esigenze dei grandi yacht e delle navi commerciali. Adhara si caratterizza per un design innovativo grazie alla nuova appendice a "pinna di squalo" (alta 55 mm/2,2"), per la ricezione dei segnali in polarizzazione verticale, che si integra perfettamente sul radome superiore grazie alle nuove linee aerodinamiche appositamente studiate.
Grazie allo stilo verticale inserito all'interno della "pinna di squalo", Adhara è l'antenna TV omnidirezionale che permette la ricezione dei segnali televisivi analogico-digitali in entrambe le polarizzazioni, orizzontale e verticale.
Adhara è dotata di 2 amplificatori: il 50023/98SR12, che ha anche l'opzione A/B switch da antenna o da altra fonte, e il 50022/10, che è sia un amplificatore sia ripartitore del segnale tra più televisori senza perdita di qualità.

 V9172 Stainless steel mount for V9112/12 and V9150/12 see page 45	 V9173TV stainless steel masthead mount see page 45	 V9146 F90° connector see page 45	 V9192 XDOME Decoder combo SAT - DVBT see page 45
Option	Option	Option	Option

50022/10 AMPLIFIER

The 50022/10 is both a line amplifier and a splitter, that allows to connect up to 6 TV set.

L'amplificateur 50022/10 est soit un amplificateur que un répartiteur qui permet de connecter jusqu'à 6 télé visions.

L'amplificatore 50022/10 è sia un amplificatore che un ripartitore che consente di collegare fino a 6 televisori.

50022/10 KEY POINTS

- 1 input: from the antenna
- 6 outputs: TV
- Power supplied: 12 or 24 V d.c.
- Gain average: 8 dB
- Noise factor: 2.1dB

50023/98SR12 A/B SWITCH AMPLIFIER

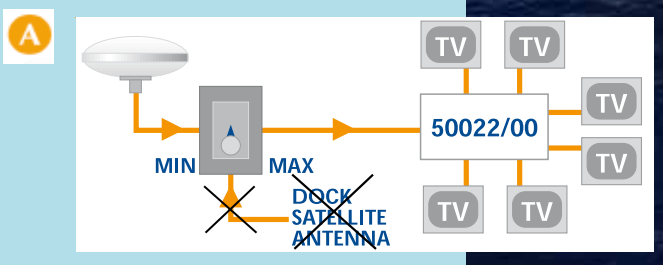
50023/98SR12 A/B SWITCH KEY POINTS

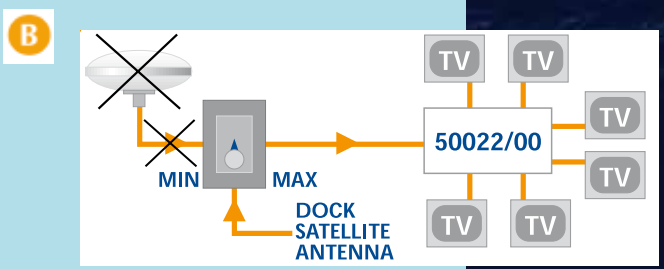
- Adjustable gain
- 2 inputs: one from the antenna and the other one from the dock (A/B switch)
- 1 output: TV or the 2/4 way splitter (max 4)
- Power supply: 12 Vdc
- Gain average: 27.5 dB
- Noise factor: 2.1 dB
- A/B switch: when the knob is turned to the "A" input antenna, the amplifier is on. On "B" means the input is from the dock or from another source and the amplifier is off

Glomex suggests to use the V9146 F 90° connector to install the antenna.

Glomex conseille l'utilisation du connecteur V9146 F 90° pour l'installation de l'antenne.

Glomex consiglia l'utilizzo del connettore V9146 F 90° per installare l'antenna.





The directional antennas provide their maximum performance when oriented into a specific direction. Thanks to the presence of internal electric drives, actuated by remote controls, the antenna can be oriented towards the signal direction and obtain in this way the best gain. During cruising this is more difficult, because the boat movement tends to modify constantly the best reception angle. The Glomex TV directional antennas, assure the reception of the analog and digital terrestrial TV signals, they can be oriented by means of infrared remote control and come in a range of shapes to satisfy the yachtsmen requirements.

Les antennes directionnelles fournissent leur performance maximale lorsqu'elles sont orientées dans une direction spécifique. Grâce à la présence de moteurs électriques internes, activables par des télécommandes, il est possible d'orienter l'antenne dans la direction du signal et d'obtenir de cette façon le meilleur gain. Pendant la navigation, cela est plus difficile en raison des mouvements du bateau qui tendent à modifier constamment le meilleur angle de réception. Les antennes directionnelles TV Glomex, assurent la réception du signal TV terrestre analogique et numérique. Elles peuvent être orientées au moyen d'une télécommande infrarouge et fournit une vaste gamme de formes pour répondre aux exigences des plaisanciers.

Le antenne direttive esprimono il massimo del loro rendimento in una direzione specifica. Grazie alla presenza di motori elettrici interni, attivabili mediante un sistema di controllo remoto, è possibile orientare l'antenna nella direzione del segnale e ottenere il massimo del guadagno. In navigazione questo è più difficile, a causa dei movimenti cui è soggetta l'imbarcazione che tendono a modificare costantemente l'angolo di ricezione ottimale. Le antenne TV direttive Glomex assicurano la ricezione del segnale televisivo terrestre analogico e digitale, possono essere orientate utilizzando un pratico telecomando a infrarossi, e presentano una varietà di forme per soddisfare le diverse esigenze dei diportisti.

ANTENNA CODE	V9130 POLARIS	V9160VENUS	V9160SATURN	V9160MARS
ANTENNA DIAMETER	370 mm (14'')	420 mm (16'')	500 mm (20'')	660 mm (26'')
ANTENNA HEIGHT	260 mm (10'')	500 mm (20'')	560 mm (22'')	660 mm (26'')
BASE DIAMETER	25 mm (1'')	420 mm (16'')	500 mm (20'')	660 mm (26'')
ANTENNA WEIGHT	1,5 kg (3,31 lb)	8 kg (17,63 lb)	8 kg (17,63 lb)	10 kg (22,04 lb)
RADOME MATERIAL	U.V. resistant ASA	U.V. resistant	U.V. resistant	U.V. resistant
ANGLE OF RECEPTION	60°	60°	60°	60°
POLARIZATION	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical
IMPEDANCE	75 ohms	75 ohms	75 ohms	75 ohms
FREQUENCY RANGE	170/220 MHz (VHF) 470/860 MHz (UHF)	170/220 MHz (VHF) 470/860 MHz (UHF)	170/220 MHz (VHF) 470/860 MHz (UHF)	170/220 MHz (VHF) 470/860 MHz (UHF)
GAIN AVERAGE	36 dB	27,5 dB	27,5 dB	27,5 dB
NOISE FACTOR	2,1 dB	2,1 dB	2,1 dB	2,1 dB
POWER CONSUPTION	300 mA (motor moving) 150 mA (stand by mode)	300 mA (motor moving) 150 mA (stand by mode)	300 mA (motor moving) 150 mA (stand by mode)	300 mA (motor moving) 150 mA (stand by mode)
POWER SUPPLY	12 Vdc	12-24 Vdc	12-24 Vdc	12-24 Vdc
ADJUSTABLE GAIN	Yes	Yes	Yes	Yes
ANTENNA AMPL/BY PASS	Yes	Yes	Yes	Yes
A/B SWITCH	No	No	No	No
TV SET MAX	2	2	2	2
TERMINATION	F female	F female	F female	F female
CONNECTOR SUPPLIED	F male gold plated connector (V9144)	F male gold plated connector (V9144)	F male gold plated connector (V9144)	F male gold plated connector (V9144)

POLARIS

*see specifications page 41

Polaris is a directional TV antenna allowing a gain of up to 6 dB, about 3 times more efficient when compared to an omni-directional antenna. The reception angle is easily orientated towards the signal direction by means of an infrared remote control, actuating the inside electric drives. Polaris is equipped with two amplifiers, an inner and an outer one with by-pass (50030,) assuring high noise squelching and by-pass capacity. Polaris can receive polarized TV signals both horizontally and vertically, assuring an excellent view of both analog and of digital terrestrial TV in any place, including, because of natural obstacles (for instance rocks or fiords, etc.) when only vertical polarized signals are received.

Polaris è l'antenna TV direttiva che permette di ottenere fino 6 dB di guadagno, circa 3 volte più efficiente rispetto ad un'antenna omnidirezionale. L'angolo di ricezione è comodamente orientabile nella direzione della fonte del segnale tramite il telecomando a infrarossi che attiva i motori elettrici interni. Polaris è dotata di due amplificatori, uno interno ed uno esterno dotato di by-pass (50030), che assicurano elevate capacità di abbattimento del rumore e di bypass. Polaris può ricevere segnali TV polarizzati sia orizzontalmente che verticalmente, garantendo una visione eccellente sia della TV analogica, sia di quella digitale terrestre in qualsiasi luogo anche quando, in presenza di ostacoli naturali (come pareti rocciose, fiordi, ecc..), arrivano esclusivamente segnali polarizzati verticalmente.

Polaris est l'antenne TV directionnelle qui permet d'obtenir jusqu'à 6 dB de gain, presque 3 fois plus efficace qu'une antenne omnidirectionnelle. L'angle de réception est facilement orientable dans la direction du signal à l'aide d'une télécommande infrarouge, qui active les moteurs électriques internes. Polaris est équipée de deux amplificateurs, l'un interne et l'autre externe doté de by-pass (50030), qui lui confère une très forte capacité d'atténuation du bruit. Polaris peut recevoir des signaux TV polarisés aussi bien verticalement qu'horizontalement, en garantissant une image excellente en analogique et en numérique terrestre d'où quelle que soit votre position et même en présence d'obstacles naturels (par exemple: falaises ou fjords, etc.), elle peut recevoir les signaux verticaux polarisés.

V9130 POLARIS

50030 line amplifier + wall plastic mount see page 43	Infrared antenna remote control see page 46	V9139/20 20m/66' coax cable see page 130	V9143 1,5m/5' TV set cord see page 130	V9144 F-male gold plated connectors (2pcs) see page 132
Supplied	Supplied	Supplied	Supplied	Option
V9124 stainless steel universal mount - see page 45	V9173TV stainless steel masthead mount see page 45	V9147 2 way splitter see page 45	V9151 4 way splitter see page 45	V9192 XDOME Decoder combo SAT - DVBT see page 45
Option	Option	Option	Option	Option

OMNIDIRECTIONAL
ANALOG-DIGITAL TV ANTENNAS

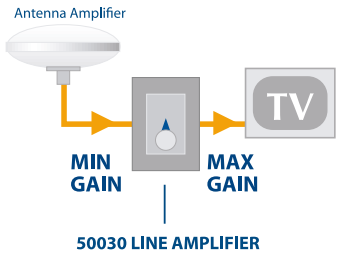
Sail Boat · Power Boat · Big Yacht · Commercial Ship

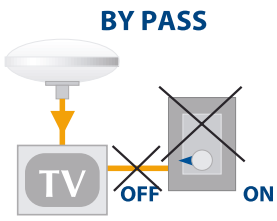
DVBT

TNT TELEVISION NUMERIQUE TERRESTRE

DIGITALE TERRESTRE

CE





V9130 WITH 50030 AMPLIFIER

AMPLIFIER

The 50030 amplifier equipped with by-pass allows the antenna to adjust the intensity of both weak and strong signals and also enables it to reduce the interferences produced by instruments or on board household appliances. If strong signals are present, the by-pass option deactivates amplification and directly transmits to the TV set without interrupting TV images or losing the signal.

L'amplificateur avec by-pass 50030 permet à l'antenne de régler l'intensité des signaux faibles, de recevoir clairement même dans des zones à forte densité de signaux et de réduire les interférences produites par des instruments ou par les appareils électroménagers à bord. Lors de la présence de signaux forts, le by-pass désactive l'amplificateur et transmet directement au téléviseur sans perturber la réception en en évitant des images brouillées ou la perte du signal.

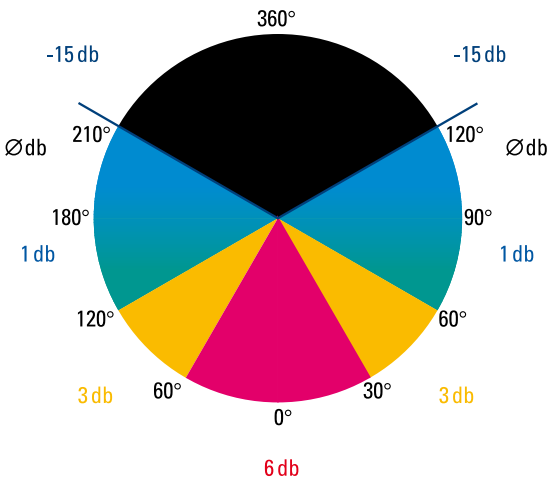
L'amplificatore dotato di by-pass 50030 consente all'antenna di aggiustare l'intensità dei segnali deboli, ricevere chiaramente anche in aree dense di forti segnali e ridurre le interferenze provenienti dalla strumentazione e dagli elettrodomestici di bordo. In presenza di forti segnali, il by-pass esclude l'amplificazione e trasmette direttamente all'apparato televisivo senza disturbare la ricezione, introducendo rumore alle immagini televisive o perdendo il segnale.

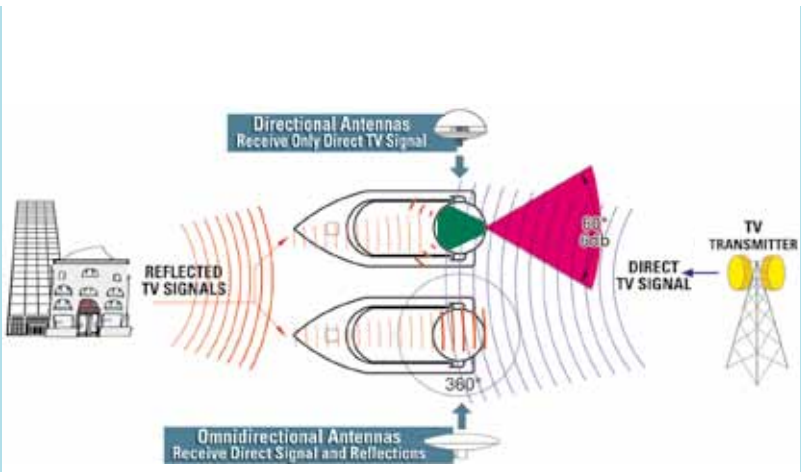
50030 KEY POINTS

- Adjustable gain
- 2 input: one from the antenna and the other one from the dock or the DVD
- 1 output: TV or 2/4 way splitter (max 4)
- Amplifier/by-pass
- High output level to the TV system or to the 2/4 way splitter (max 4)
- Power supply: 12 Vdc
- Gain average: 27.5 dB
- Noise factor: 2.1dB

50030 AMPLIFIER BY-PASS

HORIZONTAL GAIN PATTERN





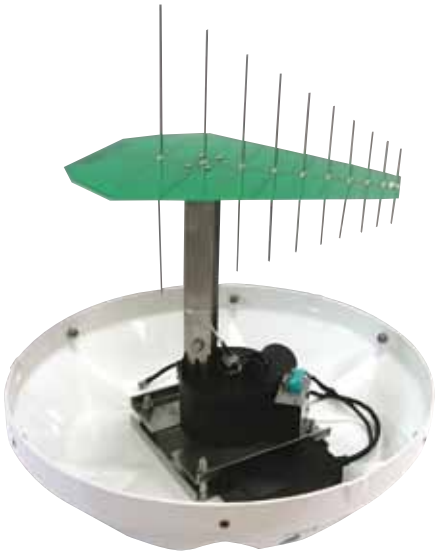
AVAILABLE ON DIFFERENT SIZES TO BALANCE THE BOAT LOOK

VENUS

SATURN

MARS

V9160 with 50023/98 AMPLIFIER



*see specifications page 41

The V9160 is a directional TV antenna proposed by Glomex in order to meet the operational and aesthetic requirement of yachtsmen. The directional antenna is contained inside a Radome equal to that housing the Venus, Saturn and Mars satellite systems. This variety of choice allows the installation on board your boat of several types of antennas without changing the aesthetic balance of the whole. The V9160 can receive polarized signals both vertically (thanks to devices going through the radiating element) and horizontally. It allows an excellent view of both analog and digital terrestrial TV in any place, including, because of natural obstacles (for instance rocks or fiords, etc.) when only vertical polarized signals are received.

La V9160 est une antenne TV directionnelle proposée par Glomex, afin de satisfaire les exigences fonctionnelles et esthétiques des plaisanciers. L'antenne directionnelle est contenue à l'intérieur d'un radôme semblable à celui qui contient les systèmes satellitaires Venus, Saturn et Mars. Cette variété de choix permet l'installation à bord de votre bateau de plusieurs types d'antenne sans altérer l'équilibre esthétique de l'ensemble. La V9160 peut recevoir des signaux polarisés aussi bien verticalement (grâce aux dispositifs qui traversent l'élément radiant) qu'horizontalement en permettant une image excellente en analogique et en numérique terrestre quelle que soit votre position ; et même en présence d'obstacles naturels (par exemple: falaises ou fjords, etc.), elle peut recevoir les signaux verticaux polarisés.

La V9160 è un'antenna TV direttiva proposta da Glomex, per soddisfare le esigenze funzionali ed estetiche dei diportisti. L'antenna direttiva è racchiusa in un radome uguale a quello che ospita i sistemi satellitari Venus, Saturn e Mars. Questa varietà di scelta permette di installare a bordo della propria imbarcazione diverse tipologie di antenna senza alterare l'equilibrio estetico d'insieme. La V9160 può ricevere segnali polarizzati sia verticalmente (grazie ai dispositivi che attraversano l'elemento radiante) che orizzontalmente, permettendo una visione eccellente sia della TV analogica, sia di quella digitale terrestre in qualsiasi luogo; anche quando, in presenza di ostacoli naturali (es. pareti rocciose, fiordi, ecc..), arrivano esclusivamente segnali polarizzati verticalmente.

V9160

Vertical Polarization

50023/98 line amplifier + wall plastic mount see page 46	Infrared antenna remote control	V9139/20 20m/66' coax cable see page 130	V9143 1,5m/5' TV set cord see page 130	V9144 F-male gold plated connectors (2pcs) see page 132
Supplied	Supplied	Supplied	Supplied	Supplied
V9147 2 way splitter see page 45	V9151 4 way splitter see page 45	V9500 Mount see page 21	V9192 XDOME Decoder combo SAT - DVBT see page 45	AVAILABLE ON DIFFERENT SIZES SATURN VENUS MARS
Option	Option	Option	Option	Option

OMNIDIRECTIONAL
ANALOG-DIGITAL TV ANTENNAS

Power Boat

Big Yacht

Commercial Ship

DVBT

TNT TELEVISION NUMERIQUE TERRESTRE

DIGITALE TERRESTRE

CE

V9124

UNIVERSAL MOUNT - 150mm (6") height / 25mm (1") diam. STAINLESS STEEL - FOR VT300/ V9112/V9125/V9130/V9150
ELECTROPOLISHED

RA102

ROUND WEDGE 0/5° NYLON - 2pcs SET FOR UNIVERSAL MOUNTS

V9123

MASTHEAD MOUNT - 25mm (1") diam. STAINLESS STEEL FOR VT300/V9125
ELECTROPOLISHED

V9173TV

MASTHEAD MOUNT - 25mm (1") diam. STAINLESS STEEL FOR V9112/V9150
ELECTROPOLISHED

V9113

PROTECTION - 100mm (4") height - NYLON - TO PREVENT SEAGULLS FROM LANDING ON TOP OF V9112/ V9150

V9147

2 WAY SPLITTER - FOR V9125/ V9112/V9130

V9151

4 WAY SPLITTER - FOR V9112/ V9130

V9146

F 90° CONNECTOR - NICKEL-PLATED - FOR TV ANTENNAS

V9117

POWER SUPPLY ADAPTOR 220V a.c. to 12V d.c. (300mA) EUROPEAN PLUG

V9148

RADIO CABLE - 3,6m (12') - F MALE GOLD-PLATED to MOTOROLA PLUG

V9149

2 WAY RADIO CABLE - 200mm (8") 1 x MOTOROLA JACK to 2 x MOTOROLA PLUG - FOR V9112/V9130

V9192

COMBO RECEIVER
Smart card reader - Slot Common Interface (CI) compatible with the main offers available for terrestrial digital and satellite TV - 5000 storable channels - 5 video outputs

220Vac

V9172

STAINLESS STEEL MOUNT FOR V9112/12 AND V9150/12

50022/10

LINE AMPLIFIER - 1 INPUT and 6 OUTPUT - 12/24V - FOR V9150/00

50023/98

LINE AMPLIFIER - 2 INPUT and 1 OUTPUT BY PASS - 12/24V - FOR V9112/12, V9126, V9160

50023/98EC

LINE AMPLIFIER - 1 INPUT and 1 OUTPUT 12/24V - FOR V9112/12EC, V9125/12

50023/98SR12

LINE AMPLIFIER - 2 INPUT AND 1 OUTPUT - A/B SWITCH - 12V
FOR V 9112/12AB, V9150/12

50030

LINE AMPLIFIER - 2 INPUT and 1 OUTPUT - BY PASS - 12V - FOR V9130 ONLY

V9114PI

POWER INSERTER - 1 INPUT and 1 OUTPUT - 12V - FOR V9114 ONLY

V9114PI-FM

POWER INSERTER - 1 INPUT and 2 OUTPUT - 12V
FOR VT300 ONLY

V9130IR

INFRARED SENSOR - FOR V9130RC REMOTE CONTROL ONLY

V9130RC

INFRARED ANTENNA REMOTE CONTROL FOR V9130 ONLY

THE QUALITY OF GLOMEX ANTENNAS

Glomex communication antennas (VHF, AIS, AM/FM, Professional, Mobile Phone, Orbcomm and CB) are characterized by the best quality of raw materials on the market. Thanks to an almost 30 years experience on marine sectors and the company's commitment in providing the best antenna on the market, Glomex offers its customers a wide range of reliable, safe, durable and high performance antennas. Whether they have the stylus stainless steel or they have the fibreglass tube, whether they have the stainless steel mounts or the reinforced nylon mounts, all Glomex communication antennas offer the yachtsman the security to using products made with the best care about raw materials, tested at sea thanks to Glomex Test Lab - the boat arranged with all the necessary equipments to test the antennas' reliability. This scrupulous attention allows Glomex to offer a lifetime guarantee on the above types of antennas because they do not reduce their high performance and not aesthetically deteriorate over time.

LA QUALITE DES ANTENNES GLOMEX

Les antennes de communications Glomex (VHF, AIS,SSB, AM/FM, Professionnelles, Mobile Phone, Orbcomm et CB) se distinguent de la concurrence pour sa grande qualité des matériaux utilisés.
Grace aussi à une expérience dans le secteur depuis presque 30 ans et la persévérance le la société à réalises les meilleures antennes sur le marché, Glomex offre à ses propres clients une large gamme d'antennes fiables, sures, résistantes et hautement performantes.
Que ce soit dans le style, en acier inox ou bien, en fibre de verre, avec ses boulons en acier inox, ou en nylon renforcée, toutes les antennes de communications Glomex, offre aux plaisanciers la sécurité d'utilisé des produits réalisés avec les meilleurs soins en respectant les matières premières et testés aussi en mer sur le Glomex Test Lab, l'embarcation équipée avec toutes les antennes nécessaires pour consolider la fiabilité de toutes les antennes. Cette scrupuleuse attention consent à Glomex d'offrir la garantie à vie sur toutes les antennes réalisées avec d'exceptionnelle performance et qui ne ce détériore pas, esthétiquement au fil des années.

LA QUALITÀ DELLE ANTENNE GLOMEX

Le antenne di comunicazione Glomex (VHF, AIS, SSB, AM/FM, Professionali, Mobile Phone, Orbcomm e CB) si distinguono dalla concorrenza per l'ottima qualità dei materiali utilizzati.
Grazie ad un'esperienza nel settore di quasi 30 anni e all'impegno dell'azienda nel realizzare le migliori antenne sul mercato, Glomex offre ai propri clienti un'ampia gamma di antenne affidabili, sicure, resistenti ed altamente performanti.
Tutte le antenne di comunicazione Glomex con stilo in acciaio inox, canna in fibra di vetro, boccole in acciaio inox, boccole in nylon rinforzato offrono al diportista la sicurezza di utilizzare dei prodotti realizzati con la migliore cura nei confronti delle materie prime e testati anche in mare grazie al Glomex Test Lab – l'imbarcazione allestita con tutta la strumentazione necessaria per collaudare l'affidabilità delle antenne. Questa scrupolosa attenzione consente a Glomex di offrire la garanzia a vita per queste antenne in quanto esse non riducono le loro eccezionali performance e non si deteriorano esteticamente con il passare degli anni.

KEY POINT OF GLOMEX ANTENNAS WITH STAINLESS STEEL ROD

- Rod with a particular alloy of stainless steel to avoid snagging and excess whip action
- Reinforced nylon ferrule
- Anti-yellowing and anti-ageing nylon ferrule
- Low loss twin screen coax cables
- High quality accessories
- Easy installation

KEY POINT OF GLOMEX FIBERGLASS ANTENNAS

- Double thickness tube
- Inner solid brass elements
- Anti-rust and electro polished stainless steel or anti-yellowing reinforced nylon ferrule
- Anti-yellowing fibreglass tube
- Low loss twin screen coax cables
- High quality accessories
- Easy installation

VHF ANTENNAS

VHF is the acronym for Very High Frequency and indicates the frequency used for the majority of maritime communications. The VHF antennas receive on the marine band going from 156.025 MHz to 162.025 MHz which consist of channels in according to what provided by International Authorities. In order to optimize the performance of a VHF antenna, its size must be proportional to the wavelength on which it is going to operate. Glomex offers a wide range of VHF antennas to meet every possible operational and aesthetic need of yachtsmen.

VHF est l'acronyme pour Very High Frequency et indique la fréquence utilisée par la plupart des communications maritimes. Les antennes VHF reçoivent sur la bande marine de 156.025 MHz à 162.025 MHz et selon les dispositions prises par les organismes internationaux, cette fréquence est composée de canaux. Afin d'optimiser la performance de l'antenne VHF, ses dimensions doivent être proportionnelles à la longueur d'onde sur laquelle elle va fonctionner. Glomex offre une vaste gamme d'antennes VHF, afin de satisfaire les exigences fonctionnelles et esthétiques des plaisanciers.

VHF è l'acronimo di Very High Frequency e sta ad indicare la frequenza utilizzata per la maggior parte delle comunicazioni marittime. Le antenne VHF ricevono sulla banda marina che va da 156.025 MHz a 162.025 MHz e, secondo quanto previsto dagli organismi internazionali, tale frequenza è divisa in canali. Per ottimizzare le performance dell'antenna VHF, quindi, le dimensioni devono essere proporzionate alla lunghezza d'onda sulla quale essa è chiamata ad operare. Glomex propone una vasta gamma di antenne VHF per soddisfare ogni esigenza funzionale ed estetica dei diportisti.

Aloud series 54

Classic series 64

High performance series 70

Masthead 74

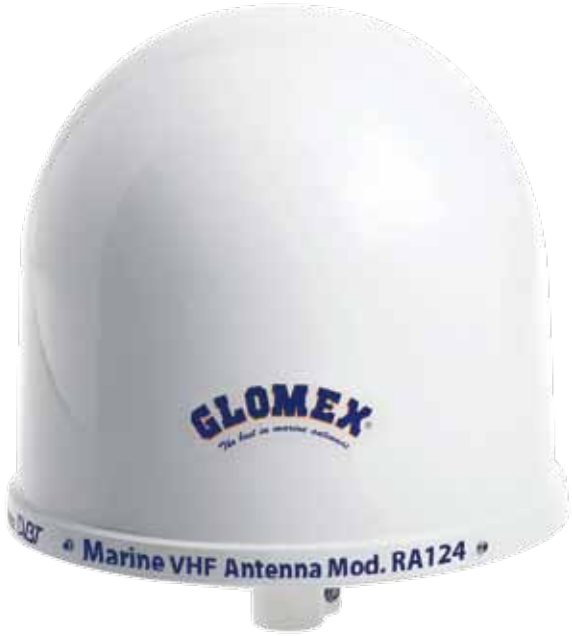
Regatta & emergency 76

Multipurpose 79

1 dB

RA121 210 mm (8”)

1 dB



RA124 300 mm (12”)

RA121 and RA124 are VHF antennas, identical to the VT300 Avior and V9126 Altair omni-directional TV antennas, allowing you to keep a balanced look of your boat. RA121 is a compact VHF antenna (diameter 100 mm/4", height 210 mm/8",) conceived for any vessel, whether sailboat or motorboat. RA124 has a diameter of 250 mm (10") with 300 mm (12") height and is designed for installation on motorboats.

RA121 et RA124 sont des antennes VHF de forme et de dimension identiques aux antennes TV omnidirectionnelles VT300 Avior et V9126 Altair, pour conserver un aspect équilibré à votre bateau. RA121 est une antenne VHF compacte (diamètre 100 mm/4'', dimension 210 mm/8''), conçue pour tout type de bateau, aussi bien à voile qu'à moteur. L'antenne RA124 fait 250 mm (10'') de diamètre et 300 mm (12'') de haut, et a été conçue pour être installée sur des bateaux à moteur.

RA121 e RA124 sono antenne VHF identiche, per forma e dimensione, alle antenne TV omnidirezionali VT300 Avior e V9126 Altair, per mantenere un look bilanciato sull'imbarcazione. RA121 è l'antenna VHF compatta (diametro 100 mm/4'', altezza 210 mm/8''), destinata a tutti i tipi d'imbarcazione a vela e a motore. RA124 ha un diametro 250 mm (10'') per 300 mm (12'') di altezza, ed è destinata all'installazione su barche a motore.

RA121 - RA124

LIFETIME GLOMEX WARRANTY

TLT TEST LAB TESTED

Sail Boat

Power Boat

Power Boat

ANTENNA CODE	**RA121**	**RA124**
FREQUENCY RANGE	156/162 MHz	156/162 MHz
GAIN AVERAGE	1 dB	1 dB
IMPEDANCE	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	50 W	50 W
DC GROUND	No	No
ANTENNA LENGHT	210 mm (8")	300 mm (12")
ANTENNA WEIGHT	250 g (8,81 oz)	430 g (15,17 oz)
TERMINATION	SO239 for PL259 male connector	SO239 for PL259 male connector

RG58ALL (RA152) 9m/30' coax cable + RA132 see page 130	RA132 - PL259 male nickel-plated connector twist-on see page 132	Universal mount	V9123 stainless steel masthead mount see page 45	V9124 stainless steel universal mount see page 120	VT300 (TV) V9126 (TV)
Supplied	Supplied	Supplied	Option	Option	Match appearance

VHF ANTENNAS

RA104

RA104SS 1 m (3')

3 dB

RA104NY 1 m (3')

3 dB

RA104NY

RA104SS

RA104 is the most solid antenna available on the market thanks to a tube of double-layer fibreglass and protected by 5 layers of polyurethane paint it is resistant to UV-rays. Designed for small/medium boats, RA104 is available in a version with 2-way nylon holder (RA104NY), or in polished stainless steel (RA104SS), in the practical AUS retail pack.

RA104 est l'antenne la plus solide disponible sur le marché, grâce à son support à double-épaisseur en fibre de verre, protégé par 5 couches de vernis polyuréthane résistant aux rayons UV. Destinée à des bateaux de petites et moyennes dimensions, la RA104 est disponible dans la version avec le support bidirectionnel en nylon (RA104NY), ou en acier inoxydable poli (RA104SS), dans un emballage pratique AUS (AUS retail pack).

RA104 è l'antenna più robusta disponibile sul mercato, grazie al tubo in fibra di vetro a doppio spessore protetto con 5 strati di vernice poliuretanica resistente ai raggi UV. Destinata alle piccole/medie imbarcazioni, la RA104 è disponibile nella versione con supporto a 2 vie in nylon (RA104NY), oppure in acciaio inox lucidato (RA104SS), nel pratico imballo AUS (AUS retail pack).

RA104

Power Boat

ANTENNA CODE	RA104SSAUS	RA104NYAUS
FREQUENCY RANGE	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB
IMPEDANCE	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W
DC GROUND	Yes	Yes
ANTENNA LENGHT	1 m (3')	1 m (3')
ANTENNA WEIGHT	430 g (15,17 oz)	250 g (8,82 oz)
TERMINATION	cable	cable

2 way integrated mount (stainless steel or nylon)	RG58ALL (RA152) 4,5 m / 15" coax cable see page 130	RA132 - PL259 male nickel-plated connector twist-on see page 132	Cheaper AUS pack see page 133
Supplied	Supplied	Supplied	Supplied

VHF ANTENNAS

RA106 SOLDERLESS CONNECTOR

All RA106 antennas have the exclusive Glomex waterproof solderless connector.
Toutes les antennes RA106 ont l'exclusif connecteur Glomex sans soudure étanche.
Tutte le antenne RA106 sono dotate del connettore stagno senza saldatura (esclusiva Glomex).

The RA106 series antennas are reliable and solid, ideal for any type of boat, whether a sailboat or a motorboat and for tenders as well (version RIB). Glomex offers a wide range of stainless steel or fibreglass antennas. The tapered stainless steel rod can absorb extreme forces without damage, while the fibreglass option takes advantage of white polyurethane paint, assuring a total protection of the antennas' inside copper components. They are all equipped with Glomex "RA106 solderless" special connector, waterproof and solderless, easing the installation.

Les antennes de la série RA106 sont fiables et solides, idéales pour tout type de bateau, à voile et à moteur, mais aussi pour des « Zodiacs » et autres bateaux pneumatiques (version RIB). Glomex offre une vaste gamme d'antennes en acier inoxydable ou en fibre de verre. Le fouet conique en acier inoxydable peut absorber les fluctuations sans subir de dommages, alors que la fibre de verre bénéficie d'une peinture polyuréthane de couleur blanche, assurant une protection totale aux composants en cuivre situés à l'intérieur de l'antenne. Elles sont toutes équipées du connecteur spécial Glomex "RA106 solderless" étanche et sans soudure pour en faciliter l'installation.

Le antenne della serie RA106 sono affidabili e robuste, ideali per tutti i tipi d'imbarcazione a vela, a motore e per i gommoni (versioni RIB). Glomex propone una vasta gamma di antenne in acciaio inox o in fibra di vetro. Lo stilo in acciaio inox conificato può assorbire qualsiasi fluttuazione senza subire danni, mentre quello in fibra di vetro dispone di una verniciatura poliuretanica di colore bianco che assicura una protezione totale dei componenti di rame interni all'antenna. Sono tutte dotate dello speciale connettore Glomex "RA106 solderless", stagno e senza saldatura, che ne facilita l'installazione.

RA106 ALOUD SERIES

	RG58ALL (RA152) low loss twin screen coax cable see page 130	RA132 - PL259 male nickel-plated connector twist-on see page 132	RA138 PVC protection see page 127	RA140 nylon feed-thru see page 127	RA135 mount see page 120
RA106GRPPB	Option	Supplied	Supplied	Supplied	Option
RA106SLSPB	Option	Supplied	Supplied	Supplied	Option
RA106GRPPB6135	Supplied 4,5 m (15')	Supplied	Supplied	Supplied	Supplied
RA106SLSPB6135	Supplied 4,5 m (15')	Supplied	Supplied	Supplied	Supplied
RA106GRPRIB	Supplied 4,5 m (15')	Supplied	Supplied	Supplied	Supplied
RA106SLSRIB	Supplied 4,5 m (15')	Supplied	Supplied	Supplied	Supplied
RA106GRPSB18	Supplied 18 m (59')	Supplied	Supplied	Supplied	Option
RA106SLSSB18	Supplied 18 m (59')	Supplied	Supplied	Supplied	Option
RA106GRPSB25	Supplied 25 m (82')	Supplied	Supplied	Supplied	Option
RA106SLSSB25	Supplied 25 m (82')	Supplied	Supplied	Supplied	Option

	1"x14 RA106 adaptor see page 126	RA106 Brack Inox see page 125	RA106 Bracket see page 125	RA179 Masthead wind indicator see page 127
RA106GRPPB	Supplied	Option	Option	Option
RA106SLSPB	Supplied	Option	Option	Option
RA106GRPPB6135	Supplied	Option	Option	Option
RA106SLSPB6135	Supplied	Option	Option	Option
RA106GRPRIB	Supplied	Option	Option	Option
RA106SLSRIB	Supplied	Option	Option	Option
RA106GRPSB18	Option	Supplied	Option	Option
RA106SLSSB18	Option	Supplied	Option	Option
RA106GRPSB25	Option	Supplied	Option	Option
RA106SLSSB25	Option	Supplied	Option	Option

VHF ANTENNAS

RA106 ALOUD SERIES

RA106SLSPB 900 mm (35")

1"x 14 tpi stainless steel whip (no coax supplied)

3 dB

RA106GRPPB 900 mm (35")

1"x 14 tpi, glossy fibreglass whip (no coax supplied)

3 dB

RA106SLSPB6135 900 mm (35")

1"x 14 tpi, stainless steel whip 4,5 mts. (15') coax cable + 4 way nylon ratchet mount

3 dB

RA106GRPPB6135 900 mm (35")

1"x 14 tpi, glossy fibreglass whip 4,5 mts. (15') coax cable + 4 way nylon ratchet mount

3 dB

RA135 mount
see page 120

1"x14 RA106 adaptor
see page 126

low loss twin screen coax cable
see page 130

RA106 ALOUD SERIES

Power Boat

ANTENNA CODE	RA106SLSPB	RA106GRPPB	RA106SLSPB6135	RA106GRPPB6135
FREQUENCY RANGE	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB	3 dB	3 dB
IMPEDANCE	50 ohms	50 ohms	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W	100 W	100 W
DC GROUND	Yes	Yes	Yes	Yes
ANTENNA LENGHT	900 mm (35")	900 mm (35")	900 mm (35")	900 mm (35")
ANTENNA WEIGHT	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)
TERMINATION	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector

RA106 ALOUD SERIES

RA106SLSRIB 900 mm (35")

3 dB

1"x 14 tpi unscrewable stainless steel whip 4,5 mts. (15')
coax cable + 4 way nylon ratchet mount

RA106GRPRIB 900 mm (35")

3 dB

1"x 14 tpi, unscrewable glossy fibreglass whip 4,5 mts. (15')
coax cable + 4 way nylon ratchet mount

RA135 mount
see page 120

1"x14 RA106 adaptor
see page 126

low loss twin screen coax cable
see page 130

RA106 ALOUD SERIES

Inflatable R.I.B.

RIB version best application:
RIBS - CENTER CONSOLE FISHING BOATS - BASS BOATS

ANTENNA CODE	**RA106SLSRIB**	**RA106GRPRIB**
FREQUENCY RANGE	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB
IMPEDANCE	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical
SWR	1,3 at 156,8 MHz	1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W
DC GROUND	Yes	Yes
ANTENNA LENGHT	900 mm (35")	900 mm (35")
ANTENNA WEIGHT	180 g (6,35 oz)	180 g (6,35 oz)
TERMINATION	RA106 solderless connector	RA106 solderless connector

RA106 ALOUD SERIES

RA106SLSSB18 900 mm (35")

Masthead stainless steel whip 18 mts. (60') coax cable - SOLDERLESS

3 dB

RA106GRPSB18 900 mm (35")

Masthead glossy fibreglass whip 18 mts. (60') coax cable - SOLDERLESS

3 dB

RA106SLSSB25 900 mm (35")

Masthead stainless steel whip 25 mts. (82') coax cable - SOLDERLESS

3 dB

RA106GRPSB25 900 mm (35")

Masthead glossy fibreglass whip 25 mts. (82') coax cable - SOLDERLESS

3 dB

low loss twin screen coax cable see page 130

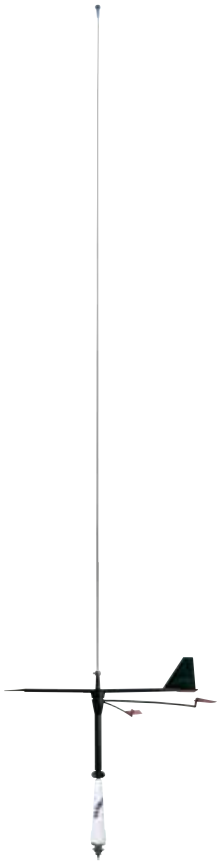
RA138 PVC protection see page 127

RA106 Brack Inox see page 125

RA179 Masthead wind indicator (380mm)

see page 127

OPTION



RA106 ALOUD SERIES

Sail Boat

ANTENNA CODE	RA106SLSSB18	RA106GRPSB18	RA106SLSSB25	RA106GRPSB25
FREQUENCY RANGE	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB	3 dB	3 dB
IMPEDANCE	50 ohms	50 ohms	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical	Vertical	Vertical
SWR	1,3 at 156,8 MHz	1,3 at 156,8 MHz	1,3 at 156,8 MHz	1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W	100 W	100 W
DC GROUND	Yes	Yes	Yes	Yes
ANTENNA LENGHT	900 mm (35”)	900 mm (35”)	900 mm (35”)	900 mm (35”)
ANTENNA WEIGHT	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)
TERMINATION	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector

RA106 ALOUD SERIES

RA109 ALOUD SERIES

RA109SLS 900 mm (35")

Masthead stainless steel whip SO239 termination for PL259

3 dB

RA109GRP 900 mm (35")

Masthead glossy fibreglass whip SO239 termination for PL259

3 dB

OPTION

RA209
VHF masthead antenna NYLON Insulator bracket for aluminium sailboats
see page 127

RA138 PVC protection
see page 125

RA106 Brack Inox
see page 123

These are antennas expressly designed for installation on sailboats. They are available in stainless steel (RA109SLS) or fibreglass (RA109GRP) rod. Compact in size, just 900 mm (35"), they stand out for their optimum performance.

Ce sont des antennes spécialement conçues pour être installées sur les voiliers. Elles sont disponibles avec un fouet en acier inoxydable (RA109SLS) ou en fibre de verre (RA109GRP). De dimensions compactes, elles mesurent seulement 900 mm (35'') et se caractérisent par leurs performances optimales.

Sono antenne appositamente progettate per l'installazione su barche a vela. Sono disponibili con stilo in acciaio inox (RA109SLS) o in fibra di vetro (RA109GRP). Compatte nelle dimensioni, appena 900 mm (35''), si contraddistinguono per le ottime performance.

RA109 ALOUD SERIES

Sail Boat

ANTENNA CODE	RA109SLS	RA109GRP
FREQUENCY RANGE	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB
IMPEDANCE	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical
SWR	1,3 at 156,8 MHz	1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W
DC GROUND	Yes	Yes
ANTENNA LENGHT	900 mm (35")	900 mm (35")
ANTENNA WEIGHT	180 g (6,35 oz)	180 g (6,35 oz)
TERMINATION	SO239 for PL259 male connector	SO239 for PL259 male connector

RG58ALL (RA152) low loss twin screen coax cable see page 130	RA132 - PL259 male nickel-plated connector twist-on see page 132	RA138 PVC protection see page 127	RA140 nylon feed-thru see page 127	RA106 Brack Inox see page 125	RA106 Bracket see page 125	RA209 nylon insulator bracket for aluminium sailboats see page 127
Option	Supplied	Supplied	Supplied	Supplied	Option	Option

VHF ANTENNAS

CLASSIC SERIES VHF ANTENNAS

RA112 - RA112CR

3 dB

RA112 1,5 m (5')

3 dB

RA112CR 1,5 m (5')

RA112

RA112CR

SAVE MONEY available on **AUS** pack see page 133

The VHF RA112 antennas represent the ideal choice for excellent performance and reduced size. Available in basic version (RA112) and in chromed bushing version, both with polyurethane tube resistant to UV-rays (RA112CR).

Les antennes VHF RA112 représentent le choix idéal pour qui recherche des résultats excellents et des dimensions réduites. Disponible dans une version de base (RA112) ou bien dans une version avec embase chromée toutes les deux avec tuyeau tube en polyuréthane résistant aux rayons UV (RA112CR).

Le antenne VHF RA112 sono la scelta ideale per chi ricerca risultati eccellenti e dimensioni compatte. Disponibile in una versione base (RA112) ed in una con boccola cromata entrambi con tubo in poliuretano resistente agli UV (RA112CR).

RA112 - RA112CR

Inflatable R.I.B. Power Boat

ANTENNA CODE	RA112	RA112CR
FREQUENCY RANGE	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB
IMPEDANCE	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W
DC GROUND	Yes	Yes
ANTENNA LENGHT	1,5 m (5')	1,5 m (5')
ANTENNA WEIGHT	450 g (15,90 oz)	580 g (20,45 oz)
TERMINATION	Cable	Cable

RG58ALL (RA152) 4,5m/15' coax cable see page 130	RA132 - PL259 male nickel-plated connector twist-on see page 132	RA135 nylon 4 way ratched mount see page 120	RA107SS electropolished stainless steel 4 way ratchet mount see page 121	Cheaper AUS pack see page 133	RA128 (AM/FM) RA127 (CB)
Supplied	Supplied	Option	Option	Option	Match appearance

RA1206NY - RA1206CR

RA1206NY 2,4 m (8')

6 dB

RA1206CR 2,4 m (8')

6 dB

SAVE MONEY available on **AUS** pack see page 133

This antenna is economical and light, its tube is double-layer painted with polished polyurethane resistant to UV-rays, containing solid brass components inside. It is available with chromed brass (RA1206 CR) or nylon (RA1206 NY) bushing.

Cette antenne est économique et légère, dotée d'un fouet à double-épaisseur laqué en polyuréthane brillant résistant aux rayons UV et contenant à l'intérieur de solides composants en laiton. Elle est disponible avec une embase en laiton chromé (RA1206 CR) ou en nylon (RA1206 NY).

È un'antenna economica e leggera, con tubo a doppio spessore laccato in poliuretano lucido resistente ai raggi U.V., che presenta solidi elementi d'ottone al suo interno. È disponibile con boccola in ottone cromato (RA1206 CR) o in nylon (RA1206 NY).

RA1206NY - RA1206CR

Power Boat Big Yacht

ANTENNA CODE	RA1206NY	RA1206CR
FREQUENCY RANGE	156/162 MHz	156/162 MHz
GAIN AVERAGE	6 dB	6 dB
IMPEDANCE	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W
DC GROUND	Yes	Yes
ANTENNA LENGHT	2,4 m (8')	2,4 m (8')
ANTENNA WEIGHT	456 g (16,08 oz)	670 g (23,63 oz)
TERMINATION	Cable	Cable

RG58ALL (RA152) 4,5m/15' coax cable see page 130	RA132 - PL259 male nickel-plated connector twist-on see page 132	RA115 nylon 4 way ratched mount see page 120	RA166/00 electropolished stainless steel 4 way ratchet mount see page 120	Cheaper AUS pack see page 133	RA1278 (CB) RA1288 (AM/FM) RA161 (CELL)
Supplied	Supplied	Option	Option	Option	Match appearance

CLASSIC SERIES VHF ANTENNAS

RA113 2,7 m (9’)

6 dB

RA113 is a high performing collinear VHF antenna 2.70 m (9') in height with up to 6 dB of gain. Made of brass inner components and polyurethane finish resistant to UV-rays, assuring best performance and long life.

RA113 est une antenne VHF colinéaire aux performances élevées mesurant 2,70 m (9') de haut et pouvant atteindre 6 dB de gain. Ses composants intérieurs sont en laiton et sa finition en polyuréthane résistant aux rayons UV lui confèrent une excellente prestation et une grande longévité.

RA113 è un'antenna VHF collineare alta 2,70 m (9') con elevate performance, fino a 6 dB di guadagno. Presenta elementi interni in ottone e finiture in poliuretano resistente agli UV, che assicurano ottime prestazioni e una lunga durata.

RA113

Power Boat Big Yacht

ANTENNA CODE	**RA113**
FREQUENCY RANGE	156/162 MHz
GAIN AVERAGE	6 dB
IMPEDANCE	50 ohms
POLARIZATION	Vertical
SWR	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W
DC GROUND	Yes
ANTENNA LENGHT	2,7 m (9')
ANTENNA WEIGHT	960 g (33,90 oz)
TERMINATION	Cable

RG58ALL (RA152) 6m/20' coax cable see page 130	RA132SOLDERLESS - PL259 male gold-plated connector solderless see page 132	RA107SS electropolished stainless steel 4 way ratchet mount see page 121	RA166/00 electropolished stainless steel 4 way ratchet mount see page 120	RA116SS electropolished stainless steel 4 way ratchet mount see page 120
Supplied	Supplied	Option	Option	Option

9 dB

RA500 6,40 mts (21’4”)

GLOMEX
The best in marine antennas
HIGH PERFORMANCE
CE HIGH PERFORMANCE MARINE VHF ANTENNA 156 to 165 Mhz

HIGH PERFORMANCE SERIES VHF ANTENNAS

The RA500 is a standard of excellence for professional communications. It is a collinear antenna with 2 wave phases that consists of 2 vertically aligned sections with 9 dB of gain and 6.4 m (21') in height.

Cette antenne est une référence d'excellence pour les communications professionnelles. Il s'agit d'une antenne colinéaire avec 2 phases d'onde, c'est-à-dire, se composant de 2 sections verticalement alignées, avec 9 dB de gain et une hauteur de 6,4 m (21').

È uno standard di eccellenza nelle comunicazioni professionali. È un'antenna collineare a 2 fasi d'onda, ovvero, formata da 2 sezioni allineate verticalmente, con 9 dB di guadagno e 6,4 m (21') di altezza.

RA500

Power Boat Big Yacht

ANTENNA CODE	**RA500**
FREQUENCY RANGE	156/162 MHz
GAIN AVERAGE	9 dB
IMPEDANCE	50 ohms
POLARIZATION	Vertical
SWR	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W
DC GROUND	Yes
ANTENNA LENGHT	6,4 m (21') - two pieces (4 + 2,4 m)
ANTENNA WEIGHT	2,95 Kg (6,50 lb)
TERMINATION	Cable

RG58ALL (RA152) 6m/20' coax cable see page 130	RA132SOLDERLESS - PL259 male gold-plated connector solderless see page 132	RA116SS electropolished stainless steel 4 way ratchet mount see page 120	RA116RFC inside reforcement plate for RA116SS (fiberglass boats) - see page 127	RA119 nylon stand-off bracket see page 122
Supplied	Supplied	Option	Option	Option

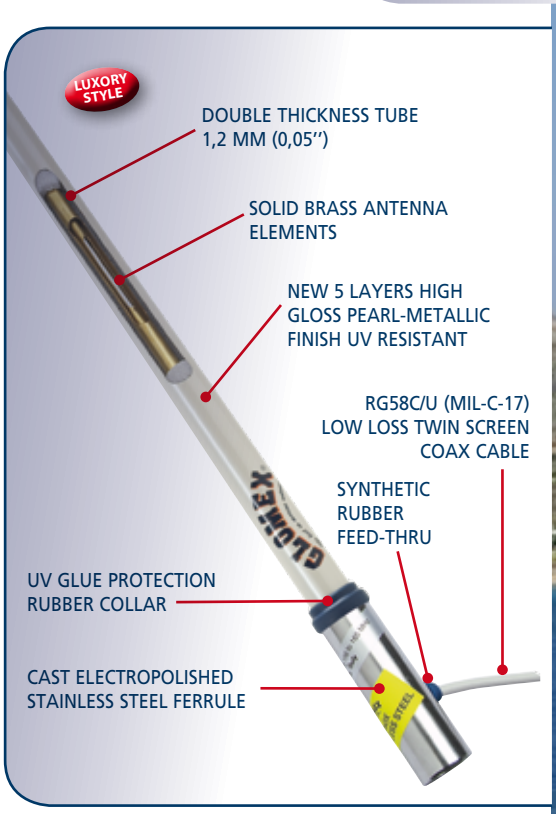
6 dB

LUXORY STYLE

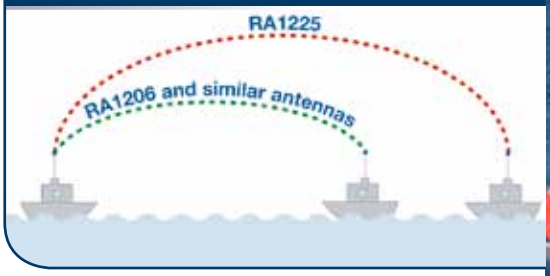
RA1225 2,4 m (8')

HIGH PERFORMANCE SERIES VHF ANTENNAS

GLOMEX HIGH PERFORMANCE MARINE VHF ANTENNA 156 to 165 Mhz


LUXORY STYLE
DOUBLE THICKNESS TUBE 1,2 MM (0,05'')
SOLID BRASS ANTENNA ELEMENTS
NEW 5 LAYERS HIGH GLOSS PEARL-METALLIC FINISH UV RESISTANT
RG58C/U (MIL-C-17) LOW LOSS TWIN SCREEN COAX CABLE
SYNTHETIC RUBBER FEED-THRU
UV GLUE PROTECTION RUBBER COLLAR
CAST ELECTROPOLISHED STAINLESS STEEL FERRULE
GLOMEX

TYPICAL RANGE



5 layers high gloss pearl-metallic finish uv resistant

RA1225

RA1225 is a collinear antenna 2.40 m (8') in height, designed to assure excellent performance in terms of quality, operation and design. Compared to the traditional antennas, whilst similar in shape, this antenna deeply differentiates itself due to the inside finish and the rod features. Made of spiral copper wires inserted in brass tubes, this antenna assures a long-range communication and best radio performance. The tube is made of fibreglass with polished polyurethane finish and resistant to UV-rays and is reinforced by a double-layer (1,2 mm/0,05'.) RA1225 is a vertical polarization antenna minimizing the effect of reflection on flat surfaces.

RA1225 est une antenne colinéaire de 2,40 m (8') de haut, conçue pour garantir d'excellentes performances en termes de qualité, de fonctionnalité et de design. Par rapport aux antennes traditionnelles, dont elle ne conserve que l'apparence, cette antenne se différencie par ses finitions intérieures et par les caractéristiques de son fouet. Fabriquée en fils de cuivre en spirale insérés dans des tubes en laiton, cette antenne assure une communication de longue portée et une très bonne réception radio. Le tube en fibres de verre avec finition en polyuréthane brillant résistant aux rayons UV, est renforcé par un tube à doubleépaisseur (1,2 mm/0,05') qui en renforce la structure. RA1225 est une antenne à polarisation verticale qui minimise les effets de réflexion sur des surfaces planes.

RA1225 è un'antenna collineare alta 2.40 m (8'), progettata per garantire performances eccellenti in termini di qualità, funzionalità e design. Rispetto alle antenne tradizionali, delle quali mantiene solo l'apparenza, si differenzia profondamente per le finiture interne e le caratteristiche dello stilo. Costruita con fili di rame spiralato inseriti in tubi d'ottone, assicura una comunicazione a lungo raggio e prestazioni ottimali delle radio. Il tubo, realizzato in fibra di vetro con finiture in poliuretano lucido resistente ai raggi U.V., presenta un tubo a doppio spessore (1,2 mm/0,05') che ne rinforza la struttura. RA1225 è un'antenna a polarizzazione verticale che minimizza gli effetti di riflessione sulle superfici piane.

RA1225

Power Boat Big Yacht

ANTENNA CODE	**RA1225**
FREQUENCY RANGE	156/162 MHz
GAIN AVERAGE	6 dB
IMPEDANCE	50 ohms
POLARIZATION	Vertical
SWR	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W
DC GROUND	Yes
ANTENNA LENGHT	2,4 m (8')
ANTENNA WEIGHT	742 g (26,17 oz)
TERMINATION	Cable

RG58ALL (RA152) 6m/20' coax cable see page 130	RA132SOLDERLESS PL259 male gold-plated connector solderless see page 132	RA107SS electropolished stainless steel 4 way ratchet mount see page 121	RA166/00 electropolished stainless steel 4 way ratchet mount see page 120	RA116SS electropolished stainless steel 4 way ratchet mount see page 120	RA1278 (CB) RA1288 (AM/FM) RA161 (CELL)
Supplied	Supplied	Option	Option	Option	Match appearance

HIGH PERFORMANCE SERIES VHF ANTENNAS

RA2022/18AUS - RA2022/25AUS

3 dB

RA2022/18AUS 1,5 m (5')

3 dB

RA2022/25AUS 1,5 m (5')

RA106
BRACKINOX-L
see page 125

SAVE MONEY
available on
AUS pack see
page 133

RA2022/18AUS and RA2022/25AUS are VHF fibreglass antennas for installation on the masthead. They difference is the length of the double-shielded coaxial cable available, respectively 18m (59') and 25 m (82').

RA2022/18AUS et RA2022/25AUS sont des antennes VHF en fibre de verre pour une installation en haut de mât. Elles se différencient par la longueur du câble coaxial à double blindage fourni, respectivement de 18 m (59') et 25 m (82') de long.

RA2022/18AUS e RA2022/25AUS sono antenne VHF in fibra di vetro per l'installazione in testa d'albero. SI differenziano per la lunghezza del cavo coassiale a doppia schermatura in dotazione, rispettivamente di 18m (59') e 25 m (82').

RA2022/18AUS
RA2022/25AUS

Sail Boat

ANTENNA CODE	RA2022/18AUS	RA2022/25AUS
FREQUENCY RANGE	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB
IMPEDANCE	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	50 W	50 W
DC GROUND	Yes	Yes
ANTENNA LENGHT	1,5 m (5')	1,5 m (5')
ANTENNA WEIGHT	400 g (14,10 oz)	400 g (14,10 oz)
TERMINATION	Cable	Cable

	RG58ALL (RA152) coax cable see page 130	RA132 - PL259 male nickel-plated connector twist-on for RG58 see page 132	RA106 Brack Inox - L see page 125	Cheaper AUS pack see page 133	Match appearance
RA2022/18AUS	Supplied 18 m (60')	Supplied	Supplied	Supplied	RA128/18-25 (AM/FM)
RA2022/25AUS	Supplied 25 m (82')	Supplied	Supplied	Supplied	RA128/18-25 (AM/FM)

MASTHEAD VHF ANTENNAS

REGATTA & EMERGENCY VHF ANTENNAS

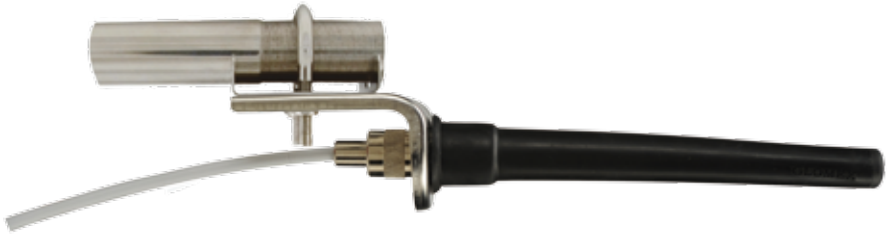
RA111 - RA114

RA114 350 mm (14”)

1 dB

RA111 140 mm (5”)

1 dB



RA111

RA111 is a small VHF antenna (140mm/5",) protected by a tapered synthetic rubber tube that can be installed, on the sailboats or motorboats. It is equipped with 18m (59') of coaxial cable and with a PL259 male connector.

RA111 est une petite antenne VHF (140 mm/5"), protégée par un tube conique en caoutchouc synthétique, qui peut être installée sans distinction sur des bateaux à voiles ou à moteurs. Elle est dotée d'un câble coaxial de 18 m (59') et d'un connecteur mâle PL259.

RA111 è una piccola antenna VHF (140mm/5'') protetta da un tubo conico di gomma sintetica che può essere installata, indistintamente, sulle barche a vela e a motore. È dotata di 18 m (59') di cavo coassiale e connettore maschio PL259.

RA114

RA114 is an emergency antenna, to be used in case the main antenna is broken or temporarily idle. This small antenna, only 350mm (14") high, is equipped with 9m (30') of coaxial cable and PL259 male connector.

RA114 est une antenne de secours, à utiliser en cas de casse ou dysfonctionnement temporaire de l'antenne principale. Cette petite antenne, d'à peine 350 mm de haut, est dotée de 9 m (30') de câble coaxial et d'un connecteur mâle PL259.

RA114 è un'antenna d'emergenza da utilizzare in caso di rottura o temporanea inattività dell'antenna principale. Questa piccola antenna, alta appena 350 mm (14''), è dotata di 9 m (30') di cavo coassiale e connettore maschio PL259.

RA111 - RA114

Inflatable R.I.B. Sail Boat Power Boat

ANTENNA CODE	RA111	RA114
FREQUENCY RANGE	156/162 MHz	156/162 MHz
GAIN AVERAGE	1 dB	1 dB
IMPEDANCE	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	50 W	50 W
DC GROUND	No	No
ANTENNA LENGHT	140 mm (5")	350 mm (14")
ANTENNA WEIGHT	220 g (7,76 oz)	900 g (31,74 oz)
TERMINATION	SO239 for PL259 male connector	Cable + PL259 male nickel-plated connector twist-on (RA132)

	RG58ALL (RA152) low loss twin screen coax cable see page 130	RA132 - PL259 male nickel-plated connector twist-on see page 132	Quick installation kit	Match appearance
RA111	Supplied 18 m (59') + RA132	Supplied	-	RA111 (AIS) see page 82
RA114	Supplied 9 m (30') + RA132	Supplied	Supplied	-

REGATTA & EMERGENCY VHF ANTENNAS

3 dB

RA2025 1 m (3')

RA131
see page 132

V9181
see page 124

V9181
see page 124

Suitable for any type of boat, the new RA2025 antenna from the "MULTIPURPOSE" series, ensures the best of Glomex technology:
- Easy installation under any condition, thanks to the included V9181 mount, and the accessories 1"x14 ADAPTOR and V9179 KIT (optional);
- Quick connection thanks to standard ending SO239 for PL259 connectors;
- Tube of double-layer fibreglass, protected by 5 layers of polyurethane paint, resistant to UV-rays;
- Middle-wave internal element ensuring the best possible communication with a wide irradiation lobe on the horizontal plan.

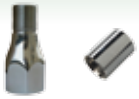
Approprié à tout type de bateau, la nouvelle antenne RA2025 de la série "MULTIPURPOSE", vous assure le meilleur de la technologie Glomex :
- facile à installer en toutes conditions, grâce au support V9181 inclus, et aux accessoires 1"x14 ADAPTOR et au KIT V9179 (en option) ;
- raccordement rapide grâce à l'extrémité standard SO239 pour connecteurs PL259 ;
- fouet en fibre de verre à double-épaisseur, protégé par 5 couches de peinture polyuréthane, résistant aux rayons UV ;
- élément interne d'antenne à demi-onde assurant la meilleure communication possible avec un large lobe d'irradiation sur le plan horizontal.

Adatta ad ogni tipo di imbarcazione, la nuova antenna RA2025 della serie "MULTIPURPOSE" garantisce il meglio della tecnologia Glomex:
- facilità d'installazione in qualsiasi condizione grazie al supporto V9181 incluso, e agli accessori 1"x14 ADAPTOR e V9179 KIT (opzionali);
- connessione rapida grazie alla terminazione standard SO239 per connettori PL259;
- tubo in fibra di vetro a doppio spessore protetto con 5 strati di vernice poliuretanica resistente agli U.V.;
- elemento interno d'antenna a ½ onda che assicura la miglior comunicazione possibile con un esteso lobo di irradiazione sul piano orizzontale.

RA2025

Sail Boat | Power Boat | Big Yacht | Commercial Ship

ANTENNA CODE	**RA2025**
FREQUENCY RANGE	156/162 MHz
GAIN AVERAGE	3 dB
IMPEDANCE	50 ohms
POLARIZATION	Vertical
SWR	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W
DC GROUND	Yes
ANTENNA LENGHT	1 m (3')
ANTENNA WEIGHT	150 g (5,29 oz)
TERMINATION	SO239 for PL259 male connector

V9181 electropolished mounting bracket - see page 124	RA138 PVC protection see page 127	RA131 - PL259 male nickel-plated connector twist-on for RG213 see page 132	RG58ALL (RA152) low loss twin screen coax cable see page 130
Supplied	Supplied	Supplied	Option
RG213/U (RA118) low loss twin screen coax cable see page 130	RA132 - PL259 male nickel-plated connector twist-on for RG58 see page 132	1"x14 adaptor see page 126	 V9179 KIT (V9178 + 1"x14 RA106 adaptor) see page 127
Option	Option	Option	Option

MULTIPURPOSE VHF ANTENNAS

The Automatic Identification System (AIS) is a monitoring system of naval traffic, useful for navigation safety with difficult meteorological conditions (fog or nocturnal navigation.) The AIS system operates on 2 expressly dedicated VHF channels (161.975 and 162.025 MHz) and allows the user to receive real time information about the traffic in the surrounding area. Glomex has planned and produced a range of calibrated antennas exactly for the specific VHF frequencies and for the AIS standards.

L'Automatic Identification System (AIS) est un système de surveillance du trafic naval, utile pour la sécurité de la navigation dans des conditions météorologiques difficiles (brouillard ou navigation nocturne). Le système AIS fonctionne sur 2 canaux VHF dédiés (161.975 et 162.025 MHz) et permet de recevoir des informations sur le trafic alentour en temps réel. Glomex a conçu et réalisé une gamme d'antennes calibrées exactement pour les fréquences spécifiques de VHF et pour les normes AIS.

L'Automatic Identification System (AIS) è un sistema di monitoraggio del traffico navale, utile per la sicurezza della navigazione in condizioni meteorologiche difficili (nebbia o navigazione notturna). Il sistema AIS funziona su 2 canali VHF appositamente dedicati (il 161,975 Mhz e il 162,025 Mhz) e consente di ricevere informazioni in tempo reale sul traffico nell'area circostante. Glomex ha progettato e realizzato una gamma di antenne calibrate esattamente per le frequenze VHF specifiche per gli standard AIS.

ANTENNA CODE	RA111AIS	RA110AIS
FREQUENCY RANGE	161,975 - 162,025 MHz	161,975 - 162,025 MHz
POLARIZATION	Vertical	Vertical
IMPEDANCE	50 ohms	50 ohms
SWR	≤ 1,2 at 162 MHz	≤ 1,2 at 162 MHz
MAX INPUT POWER	50 W	50 W
GAIN AVERAGE	1 dB	3 dB
DC GROUND	No	No
ANTENNA LENGHT	140 mm (5")	1 m (3')
ANTENNA WEIGHT	220 g (7,76 oz)	536 g (18,90 oz)
TERMINATION	SO239 for PL259 male connector	SO239 for PL259 male connector

RA110AIS - RA111AIS

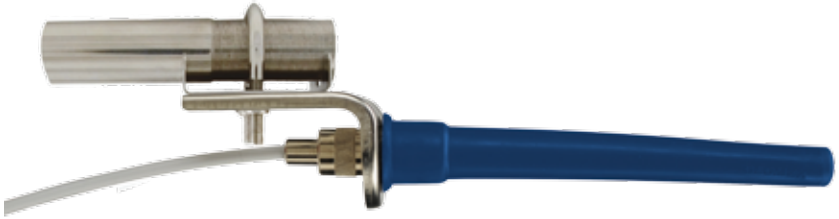
AUTOMATIC IDENTIFICATION SYSTEM

RA 110AIS TX + RX 1 m (3')

3 dB

RA 111AIS TX + RX 140 mm (5'')

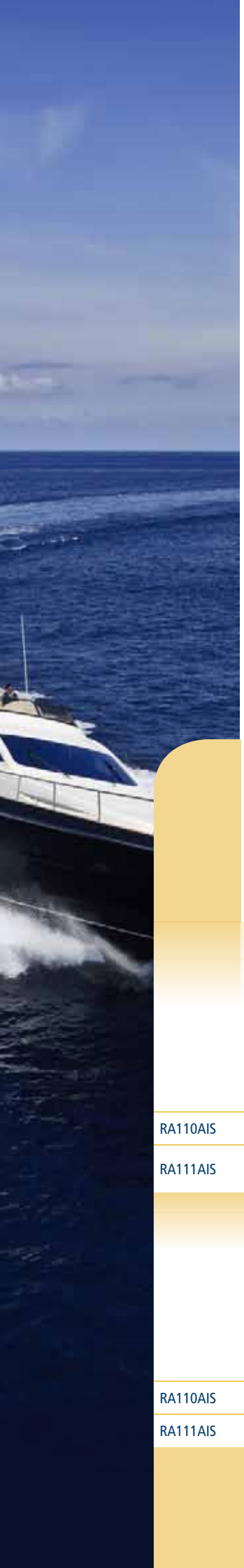
1 dB



* see specification page 81

RA110AIS TX + RX

RA132 (option) see page 130



RA110AIS TX + RX

The RA110AIS will receive signals on AIS frequencies very efficiently even when the antenna, because of the boat rolling and pitching, is not perfectly vertical. The polished polyurethane paint and the waterproof connector will allow this antenna to maintain an excellent performance for many years.

La RA110AIS permet une réception efficace des signaux sur les fréquences AIS, même lorsque l'antenne, n'est pas parfaitement verticale à cause du roulis et du tangage du bateau. Le vernis en polyuréthane brillant et le connecteur étanche permettent à l'antenne de garder des performances élevées dans le temps.

La RA110AIS consente di ricevere efficacemente il segnale sulle frequenze AIS anche quando l'antenna, a causa dei movimenti di rollio e beccheggio dell'imbarcazione, non è perfettamente in posizione verticale. La verniciatura in poliuretano lucido e il connettore stagno consentono all'antenna di mantenere prestazioni elevate nel tempo.

RA111AIS TX + RX

The RA111AIS antenna is protected by a tapered synthetic rubber tube and can be installed, on either sailboats or motorboats. Thanks to the V9181 support supplied, the RA111AIS can be installed in a vertical or horizontal position, on the mast or on the pulpit.

L'antenne RA111AIS est protégée par un tube conique en caoutchouc synthétique et peut être installée aussi bien sur les bateaux à voiles que sur les bateaux à moteur. Grâce au support V9181 fourni, la RA111AIS peut être installée en position verticale ou horizontale, sur le mât ou sur le pont.

L'antenna RA111AIS è protetta da un tubo conico di gomma sintetica e può essere installata, indistintamente, sulle barche a vela e a motore. Grazie al supporto V9181 fornito, infatti, La RA111AIS può essere installata in posizione verticale od orizzontale, sull'albero o sul pulpito.

RA110AIS
RA111AIS

LIFETIME GLOMEX WARRANTY

Inflatable R.I.B. | Sail Boat | Power Boat | Big Yacht | Commercial Ship

	RG58ALL (RA152) low loss twin screen coax cable see page 130	RA155 - BNC female to TNC male adaptor see page 132	V9181 electropolished mounting bracket see page 124	RA138 PVC protection see page 127	1"x14 adaptor see page 126
RA110AIS	Option	-	-	-	Supplied
RA111AIS	Supplied 9 m (30') + BNC male	Supplied	Supplied	Supplied	-

	RA201 splitter VHF antenna to AM/FM radio + AIS receiver only see page 94	V9171 electropolished stainless steel pipe mounting bracket see page 124	V9173 electropolished stainless steel masthead bracket see page 125	V9174 electropolished stainless steel universal mount see page 121	V9176 electropolished masthead L bracket see page 125	Match appearance
RA110AIS	Option	Option	Option	Option	Option	RA110 (VHF)
RA111AIS	Option	-	-	-	-	RA111 (VHF)

AIS ANTENNAS

Transmission in single sideband (SSB) offers two great advantages to the yachtsmen in terms of safety and energy consumption. Firstly, it allows access to a series of useful information for navigation, transmitted by military and civil stations all over the world. Secondly, transmission in single sideband (SSB) optimises the power of the sender and therefore reduces the waste of valuable energy resources.

La transmission sur bande latérale unique (BLU) offre deux grands avantages aux plaisanciers en ce qui concerne la sécurité et la consommation énergétique. En premier lieu, elle permet l'accès à une série d'informations utiles pour la navigation, transmises par les stations militaires et civiles dans le monde entier. De plus, la BLU optimise la puissance du transmetteur et réduit la consommation énergétique.

La trasmissione in banda laterale unica, SSB, offre due grandi vantaggi ai diportisti in termini di sicurezza e consumi energetici. Innanzitutto, permette di avere accesso ad una serie di informazioni utili alla navigazione, trasmesse dalle stazioni militari e civili sparse in tutto il mondo. Inoltre, la trasmissione in banda laterale unica, SSB, permette di ottimizzare la potenza del trasmettitore e ridurre l'impiego di risorse energetiche.

ANTENNA CODE	RA600	RA700
FREQUENCY RANGE	2 - 30 MHz with tuners	2 - 30 MHz with tuners
POLARIZATION	-	-
IMPEDANCE	N.A.	N.A.
SWR	-	-
MAX INPUT POWER	400 W	800 W
GAIN AVERAGE	N.A.	N.A.
DC GROUND	-	-
ANTENNA LENGHT	7 m (23') - two pieces (4 + 3 m)	7 m (23') - two pieces (4 + 3 m)
ANTENNA WEIGHT	2,16 kg (4,76 lb)	2,514 kg (5,54 lb)
TERMINATION	side feed termination bolt	central feed

RA600 7 mt (23')

RA700 7 mt (23')

RA126

* see specification page 85

RA600

RA600 is a 7m (23') SSB marine antenna and is completely insulated. It consists of 2 parts (4+3m) and is finished with a highly resistant polyurethane paint. This antenna has been designed and manufactured to guarantee great performance and for its installation we suggest the use of the 4-way stainless steel support RA116SS (optional.)

La RA600 est une antenne marine BLU de 7 m (23'') de haut, complètement isolée, se composant de 2 modules (4+3 m), avec vernis externe en polyuréthane hautement résistant aux intempéries. Cette antenne a été conçue pour assurer des performances élevées. Pour son installation, nous conseillons l'utilisation d'un support en acier inoxydable à double fixation RA116SS (en option).

RA600 è un'antenna marina SSB alta 7 m (23') completamente isolata, composta da 2 moduli (4+3), con verniciatura esterna in poliuretano altamente resistente agli agenti esterni. Questa antenna è stata progettata per garantire prestazioni elevate, per la sua installazione si consiglia l'utilizzo del supporto in acciaio inox a doppio snodo RA116SS (opzionale).

RA700

RA700 is a 7m (23') SSB marine antenna and is completely insulated. It consists of 2 parts (4+3m) and is finished with a highly resistant polyurethane paint. For the best installation, we suggest use of the jointed support, RA126, together with the intermediate support RA119 both of which are optional.

RA700 est une antenne marine BLU de 7 m (23'') de haut, complètement isolée, se composant de 2 modules (4+3m), avec vernis externe en polyuréthane hautement résistant aux intempéries. Pour une installation optimale, il est conseillé d'utiliser un support rotatif RA126 (en option) avec sortie centrale, et un support intermédiaire RA119 (en option).

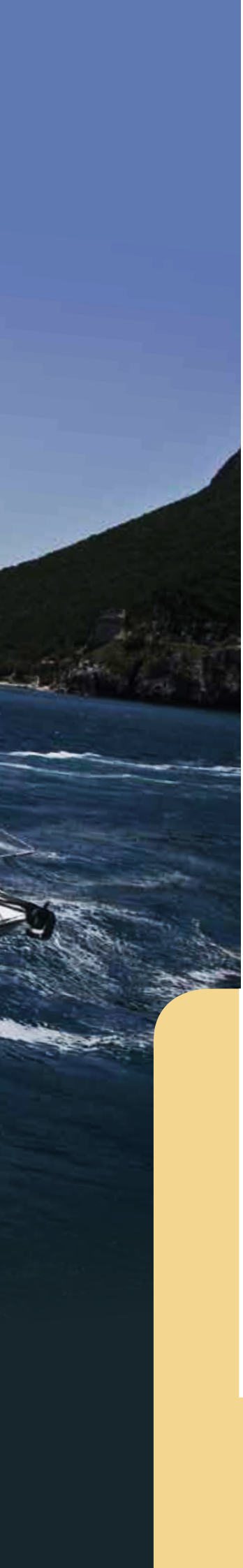
RA700 è un'antenna marina SSB alta 7 m (23') completamente isolata, composta da 2 moduli (4+3), con verniciatura esterna in poliuretano altamente resistente agli agenti esterni. Per una corretta installazione, è consigliato l'utilizzo del supporto snodabile RA126 (opzionale) con uscita centrale, e del supporto intermedio RA119 (opzionale).

RA600 - RA700

Sail Boat | Power Boat | Big Yacht | Commercial Ship

	RA176* electropolished stainless steel 4 way free swivel mount see page 121	RA126 thru-deck swivel mount and insulator	RA119 stand-off reinforced nylon bracket see page 122	RA116SS electropolished stainless steel 4 way ratchet mount see page 121	RA116RFC inside reforcement plate for RA116SS and RA819 in fiberglass boats see page 127
RA600	Option	Option	Option	Option	Option
RA700	-	Option	Option	-	-

(*) RA176 must be coupled with RA119



The AM / FM is a common VHF transmission mode. AM/FM bands are less prone to disturbances and interferences assuring a clear transmission and reception of signals. AM/FM antennas are often used to listen to radio stations also during navigation.

Le mode de transmission AM-FM est utilisée pour la VHF. Les bandes AM/FM ne sont pas gênées par les perturbations et les interférences, assurant une transmission et une réception claires des signaux. Les antennes AM/FM sont souvent employées pour écouter les stations radio même pendant la navigation.

Quella in AM/FM è una modalità di trasmissione diffusa nel VHF. Le bande AM/FM infatti sono piuttosto immuni a disturbi e interferenze, garantendo una trasmissione e una ricezione chiara dei segnali. Le antenne AM/FM sono spesso utilizzate per ascoltare le stazioni radiofoniche anche in navigazione.

ANTENNA CODE	RA1281	RA128	RA128/18	RA128/25	RA1288
FREQUENCY RANGE	AM 550 - 1600 KHz/ FM 88 - 108 MHz	AM 550 - 1600 KHz/ FM 88 - 108 MHz	AM 550 - 1600 KHz/ FM 88 - 108 MHz	AM 550 - 1600 KHz/ FM 88 - 108 MHz	AM 550 - 1600 KHz/ FM 88 - 108 MHz
POLARIZATION	-	-	-	-	-
IMPEDANCE	93 ohms	93 ohms	93 ohms	93 ohms	93 ohms
SWR	-	-	-	-	-
MAX INPUT POWER	-	-	-	-	-
GAIN AVERAGE	-	-	-	-	-
DC GROUND	-	-	-	-	-
ANTENNA LENGHT	300 mm (12”)	1,5 m (5’)	1,5 m (5’)	1,5 m (5’)	2,4 m (8’)
ANTENNA WEIGHT	267 g (9,42 oz)	490 g (17,28 g)	400 g (14,10 oz)	400 g (14,10 oz)	600 g (21,16 oz)
TERMINATION	Motorola plug	Motorola plug	Motorola plug	Motorola plug	Motorola plug

RA128 - RA128/18 - RA128/25

RA128 1,5 m (5')

RA128/18 - RA128/25 1,5 m (5')

RA128

RA128/18
RA128/25

RA106BRACKINOX-L
see page 127

* see specification page 89

SAVE MONEY available on **AUS** pack see page 133

RA128

The RA128 is a 1.5m (5') AM-FM antenna aimed for installation on motorboats and small yachts. Its shape is identical to that of the RA112 (VHF) and RA127 (CB) antennas for a balanced look of your boat.

La RA128 est une antenne AM-FM d'une hauteur de 1,5 m (5'), destinée à être installée sur des bateaux à moteur et sur de petits yachts. Sa forme est identique à celle des antennes RA112 (VHF) et RA127 (CB) pour conserver un aspect équilibré à votre bateau.

RA128 è un'antenna AM-FM alta 1,5 m (5') destinata all'installazione su barche a motore e piccoli yacht. È identica per aspetto alle antenne RA112 (VHF) e RA127 (CB), per un look bilanciato sull'imbarcazione.

RA128/18 - RA128/25

It's a 1.5 m (5') AM-FM antenna. RA128/18 and RA128/25 are aimed for installation on sailboats and include the RA106 Masthead bracket. RA128/18 is equipped with 18m (59') of coaxial cable and RA128/25 with 25m (82'.) They are identical to the RA2022/18 and RA2022/25 (VHF) antennas for a balanced look of your boat.

Est une antenne AM-FM de 1,5 m (5') de haut, destinée aux voiliers, grâce à son support en acier inoxydable RA106 brack (fourni). La RA128/18 est fournie avec 18 m de câble coaxial et la RA128/25 avec 25 m de câble. Elles sont esthétiquement identiques aux antennes RA2022/18 et RA2022/25 (VHF), pour conserver un aspect équilibré à votre bateau.

È un'antenna AM-FM alta 1,5 m (5') destinata all'installazione su barche a vela, grazie alla fornitura del pratico supporto RA106 brack inox (fornito di serie). La RA128/18 è fornita con 18 m (59') di cavo coassiale e la RA128/25 con 25 m (82'). Sono identiche per aspetto alle antenne RA2022/18 e RA2022/25 (VHF), per un look bilanciato sull'imbarcazione.

RA128
RA128/18 - RA128/25

RA128
Power Boat

RA128/18
RA128/25
Sail Boat

LIFETIME GLOMEX WARRANTY

TLT TEST LAB TESTED

	RG62 twin screen low loss coax cable see page 130	RA106 Brack Inox - L see page 125	RA201 splitter VHF antenna to AM/FM radio + AIS receiver only see page 94	RA135 nylon 4 way ratched mount - see page 120
RA128	Supplied 6 m (20') + Motorola plug	-	Option	Option
RA128/18	Supplied 18 m (59') + Motorola plug	Supplied	Option	-
RA128/25	Supplied 25 m (82') + Motorola plug	Supplied	Option	-

	Cheaper AUS pack see page 133	V9149 2 way radio cable see page 45	CE1262 AM/FM radio extension cable 3,6m (12") see page 127	CE1262/10 AM/FM radio extension cable 10m (33') see page 127	Match appearance
RA128	Option	Option	Option	Option	RA112 (VHF) see page 62 RA127 (CB) see page 110
RA128/18	-	Option	Option	Option	RA2022/18-25 (VHF) see page 70
RA128/25	-	Option	Option	Option	RA2022/18-25 (VHF) see page 70

RA1281 - RA1288

RA1281 300 mm (12”)

RA1288 2.4 m (8’)

* see specification page 89

SAVE MONEY available on **AUS** pack see page 133

RA1288

The RA1288 is a 2,4m (8') AM-FM antenna aimed for installation on motorboats and large yachts. The shape is identical to that of RA1206CR (VHF), RA1278 (CB) and RA161 (mobile phone) antennas to assure a balanced look of your boat.

La RA1288 est une antenne AM-FM de 2,4 m (8') de haut, destinée à une installation sur des bateaux à moteur et sur de grands yachts. Sa forme est identique à celle des antennes RA1206CR (VHF), RA1278 (CB) et RA161 (téléphone mobile), pour assurer un aspect équilibré à votre bateau.

RA1288 è un'antenna AM-FM alta 2,4 m (8'), destinata all'installazione su barche a motore e grandi yacht. È identica per aspetto alle antenne RA1206CR (VHF), RA1278 (CB) e RA161 (telefono cellulare), per un look bilanciato sull'imbarcazione.

RA1281

RA1281 is a very solid AM-FM antenna, made of UV resistant synthetic rubber, and is 300mm (12") high.

La RA1281 est une antenne AM-FM très solide en caoutchouc synthétique incassable et qui ne jaunit pas, mesurant 300 mm de haut.

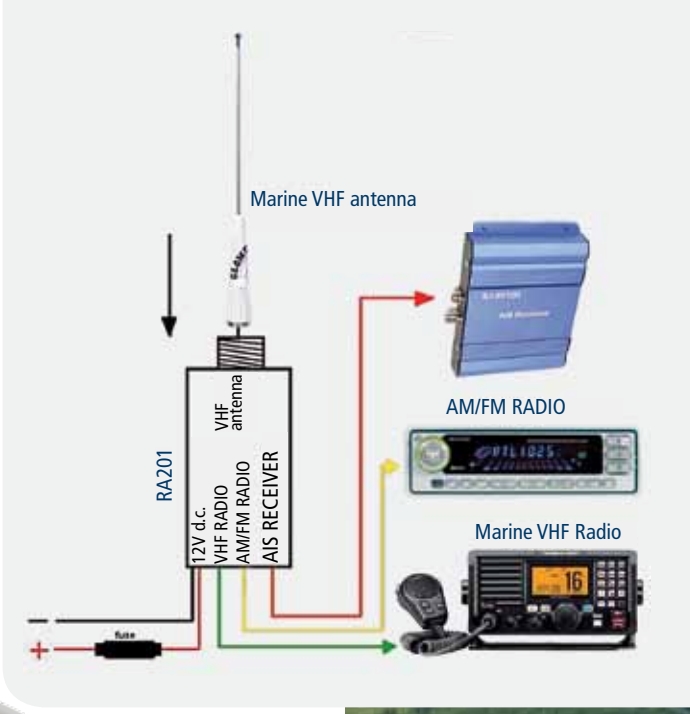
RA1281 è un'antenna AM-FM molto solida, costruita in gomma sintetica anti-ingiallimento e antirottura, alta appena 300 mm (12'').

RA1281 - RA1288

RA1281 — Power Boat

RA1288 — Power Boat, Big Yacht

	RG62 twin screen low loss coax cable see page 130	RA201 splitter VHF antenna to AM/FM radio + AIS receiver only see page 94	RA166/00 electropolished stainless steel 4 way ratchet mount see page 120	Cheaper AUS pack see page 133
RA1281	Supplied 3 m (10')+Motorola plug	Option	-	-
RA1288	Supplied 6 m (20')+Motorola plug	Option	Option	Option
	V9149 2 way radio cable see page 45	CE1262 AM/FM radio extension cable 3,6m (12") see page 127	CE1262/10 AM/FM radio extension cable 10m (32,8') see page 127	Match appearance
RA1281	Option	Option	Option	-
RA1288	Option	Option	Option	RA1206 (VHF) see page 66 RA1278 (CB) see page 114 RA161 (CELL) see page 110



CE EN60945 APPROVED

RA201 SPLITTER

This is the ideal solution for a quick installation of the AIS receiver by taking advantage of the VHF antenna on board. With the RA201 divider, it is in fact possible to switch off the VHF sender and to split the signal received by the VHF antenna between the AM/FM radio and the AIS receiver.

C'est la solution idéale pour une installation rapide du récepteur AIS, en se servant de l'antenne VHF de bord. Le duplexeur RA201, permet de couper le transmetteur VHF et de répartir le signal reçu par l'antenne VHF entre la radio AM/FM et le récepteur AIS.

È la soluzione ideale per una rapida installazione del ricevitore AIS, sfruttando l'antenna VHF esistente a bordo. Con il divisore RA201, infatti, è possibile spegnere il trasmettitore VHF e ripartire il segnale ricevuto dall'antenna VHF tra la radio AM/FM e il ricevitore AIS.

Sail Boat Power Boat

PROFESSIONAL ANTENNAS

The Glomex antennas in the “Professional” range are the ideal solution for an intensive and continuous use, thanks to high-quality construction materials and a very strong structure: double-layer fibreglass tubes, protected by 5 layers of polyurethane paint, resistant to UV-rays, reinforced corrosion-resistant ferrules, first-choice internal elements and coaxial cables.
Tested at sea all over the world on board the Glomex mobile laboratory boat “Test Lab”, they guarantee great and constant performance even under extreme navigation conditions.

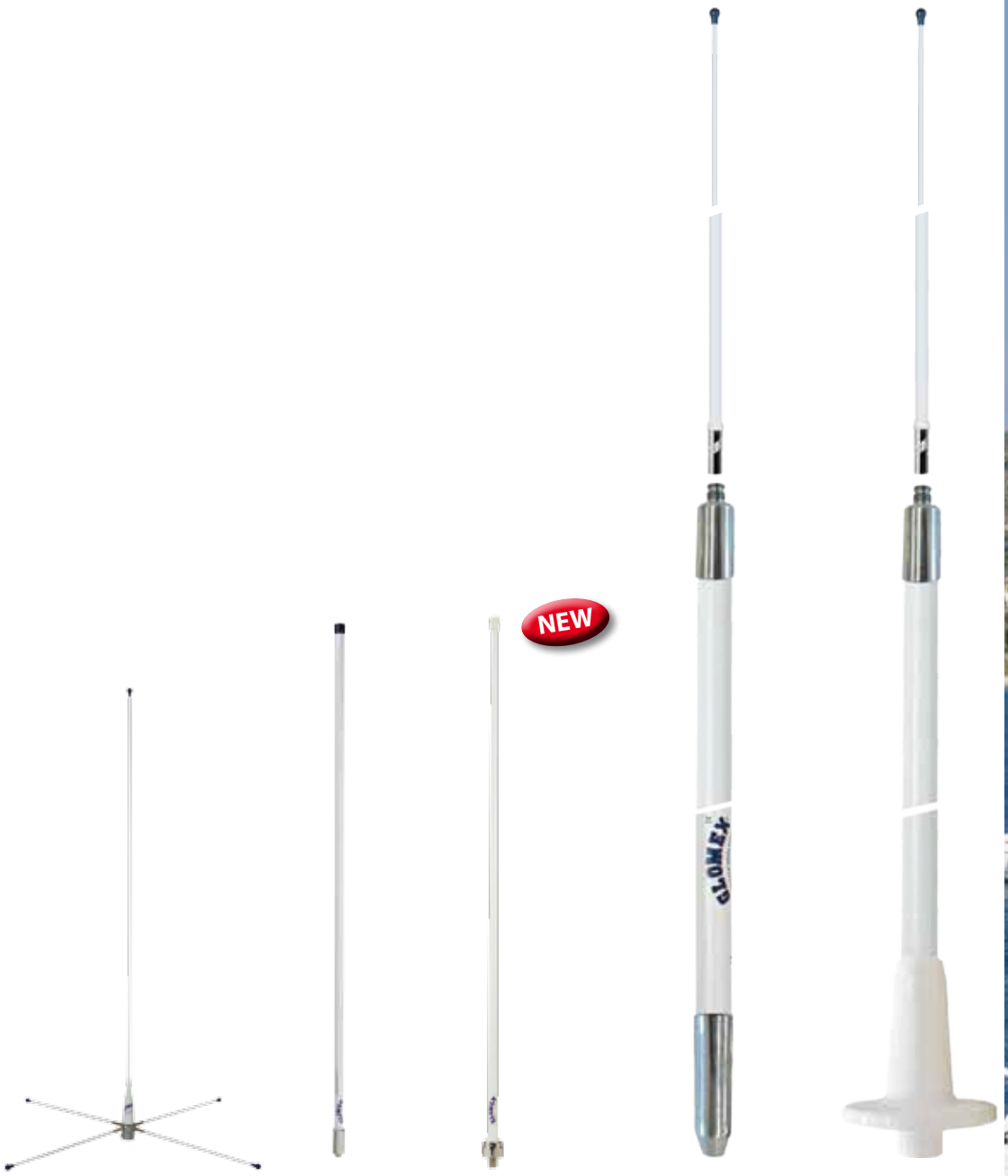
Les antennes Glomex dans la gamme “Professional” sont la solution idéale pour une utilisation intensive et continue, grâce aux matériaux de construction de haute qualité et à une structure très solide : fouets en fibre de verre à double épaisseur, protégés par 5 couches de peinture polyuréthane, résistant aux rayons UV, douilles renforcées résistant à la corrosion, éléments internes et câbles coaxiaux de premier choix.
Testé en mer dans le monde entier à bord du bateau-laboratoire mobile Glomex “Test Lab”, elles garantissent des performances élevées et constantes, même dans des conditions de navigation extrêmes.

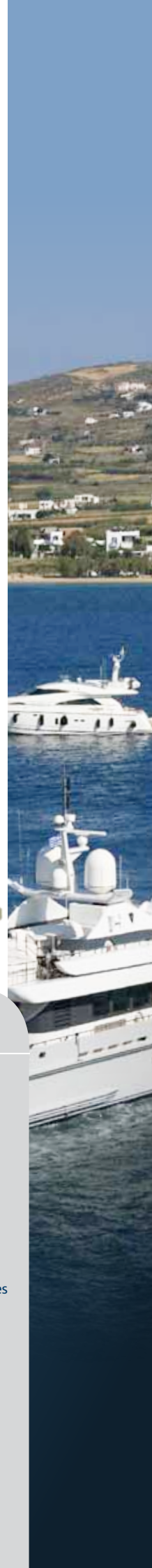
Le antenne Glomex della gamma “Professional” sono ideali per un uso intensivo e continuativo, grazie a materiali costruttivi di altissima qualità e ad una struttura estremamente robusta: tubi in fibra di vetro a doppio spessore protetti con 5 strati di vernice poliuretanica resistente ai raggi UV, boccole rinforzate e resistenti alla corrosione, elementi interni e cavi coassiali di primissima scelta.
Testate nei mari di tutto il mondo a bordo dell’imbarcazione laboratorio mobile Glomex “Test Lab”, garantiscono prestazioni elevate e costanti anche in condizioni estreme di navigazione.

VHF Professional 98

SSB Professional 106

VHF PROFESSIONAL



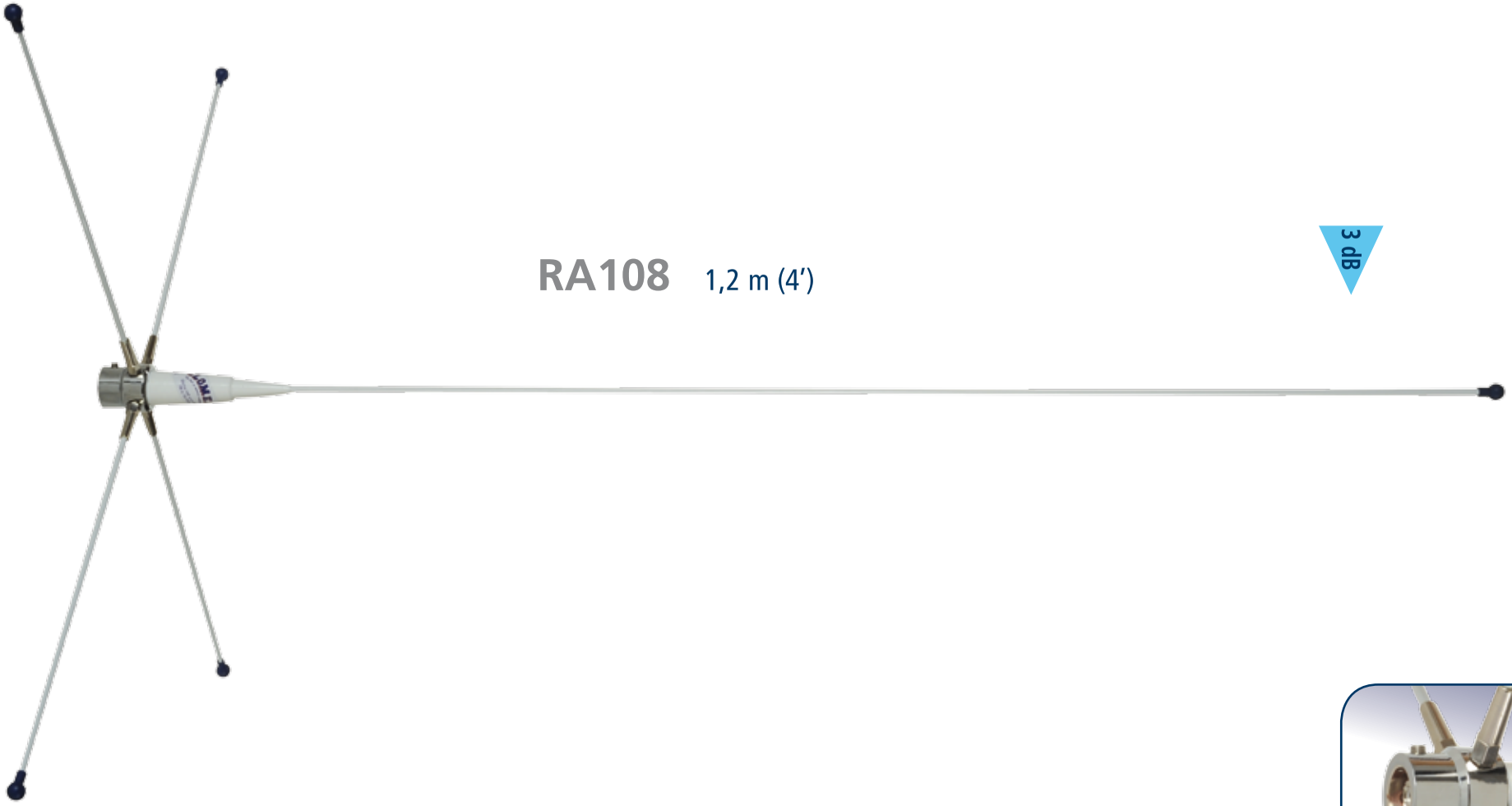


ANTENNA CODE	RA108	RA110	RA444	RA800	RA820
FREQUENCY RANGE	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB	3 dB	9 dB	9 dB
IMPEDANCE	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical	Vertical	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W	100 W	100 W	100 W
DC GROUND	Yes	Yes	Yes	Yes	Yes
ANTENNA LENGHT	1,2 m (4')	1 m (3')	1 m (3')	7 m (23') - two pieces (4 + 3 m)	7 m (23') - two pieces (4 + 3 m)
ANTENNA WEIGHT	770 g (27,16 oz)	536 g (18,90 oz)	150 g (5,29 oz)	8,45 Kg (18,63 lb)	9,1 Kg 20,06 lb)
TERMINATION	SO239 for PL259 male connector	N female for N male connector	SO239	Cable	Cable

SSB PROFESSIONAL

ANTENNA CODE	RA703	RA704	RA900	RA920
FREQUENCY RANGE	2 – 30 MHz with tuners	2 – 30 MHz with toner	2 - 30 MHz	2 - 30 MHz
GAIN AVERAGE	N.A.	N.A.	-	-
IMPEDANCE	N.A.	N.A.	N.A.	N.A.
POLARIZATION	-	-	-	-
SWR	-	-	-	-
MAX INPUT POWER	800W	800W	800 W	800 W
DC GROUND	-	-	-	-
ANTENNA LENGHT	7 m (23') – three pieces (2,35 + 2,35 + 2,30 m)	7 m (23') – three pieces (2,35 + 2,35 + 2,30 m)	7 m (23') - two pieces (4 + 3 m)	7 m (23') - two pieces (4 + 3 m)
ANTENNA WEIGHT	2, 465 kg (5,4 lb)	2,390 kg (5,27 lb)	10 kg (22,04 lb)	10 kg (22,04 lb)
TERMINATION	side feed termination bolt	side feed termination bolt	side feed termination bolt	self-supporting mount

RA108



RA108 1,2 m (4')

3 dB

The RA108 is a VHF antenna chosen by the professional sailors, from cargo ships to the terrestrial stations. The main and the 4 radial antennas allow clear communication even with very serious rolling and pitching conditions. The bushing of compressed nylon and the polished polyurethane paint of the support and of the 4 radials make the antenna watertight.

La RA108 est une antenne VHF choisie par les professionnels de la mer : les bateaux de commerce, les capitaineries….. L'antenne principale et ses brins horizontaux, permettent une communication claire même en cas de roulis important ou de fort tangage. L'embase en nylon injecté et le vernis en polyuréthane brillant du fouet et des 4 brins horizontaux rendent l'antenne étanche ce qui lui assure une grande longévité.

RA108 è l'antenna VHF scelta dai professionisti del mare: dalle navi commerciali alle stazioni di terra. L'antenna principale e i 4 radiali consentono di comunicare chiaramente anche in condizioni di rollio e beccheggio molto forti. La boccola in nylon costampato e la copertura in poliuretano lucido dello stilo e dei 4 radiali rendono l'antenna stagna nel tempo.

RA108

Sail Boat | Power Boat | Big Yacht | Commercial Ship

RG213/U (RA118) low loss twin screen coax cable see page 130	RA131 - PL259 male nickel-plated connector twist-on for RG213 see page 132	V9171 electropolished stainless steel pipe mounting bracket see page 125	V9173 electropolished stainless steel masthead bracket see page 125	RA166/00 electropolished stainless steel 4 way ratchet mount see page 120	V9174 electropolished stainless steel universal mount see page 121
Option	Option	Option	Option	Option	Option

RA110 1 m (3')

3 dB

The RA110 has a wide vertical irradiation plan that, in spite of the reduced dimensions, allows effective communication also when, because of boat rolling and pitching, the antenna is not perfectly vertical. Moreover, the special paint finish and the watertight connector allow to maintain high performance over time.

La RA110 a un vaste plan d'irradiation verticale qui, malgré les dimensions réduites, permet une communication efficace même lorsque l'antenne n'est pas parfaitement verticale, à cause du roulis ou du tangage du bateau. Son vernis spécial et son connecteur étanche permettent à l'antenne de garder des performances élevées dans le temps.

La RA110 ha un ampio piano d'irradiazione verticale che, nonostante le dimensioni ridotte, consente di comunicare efficacemente anche quando, a causa dei movimenti di rollio e beccheggio dell'imbarcazione, l'antenna non è in posizione perfettamente verticale. Inoltre, la speciale verniciatura e il connettore stagno consentono di mantenere prestazioni elevate nel tempo.

RA110

Sail Boat | Power Boat | Big Yacht | Commercial Ship

1"x14 adaptor see page 126	RA158 - N male nickel-plated connector for RG213 see page 132	RG213/U (RA118) low loss twin screen coax cable see page 130	V9171 electropolished stainless steel pipe mounting bracket see page 124	V9173 electropolished stainless steel masthead bracket see page 125
Supplied	Supplied	Option	Option	Option

RA166/00 electropolished stainless steel 4 way ratchet mount see page 120	V9174 electropolished stainless steel universal mount see page 121	V9176 electropolished masthead L bracket see page 125	RA110AIS see page 82
Option	Option	Option	Match appearance

3 dB

RA444 1 m (3')

RA131
see page 132

RA444 is the new Glomex VHF professional antenna expressly designed to satisfy the requirements of a very high performance and compact dimensions. This antenna is characterized by a double-layer fibreglass tube protected by 5 layers of polyurethane paint, resistant to UV-rays and middle-wave internal element ensuring the best possible communication with a wide irradiation lobe on the horizontal plan. Moreover, RA444 can be easily installed thanks to integrated 1" BSP stainless steel adaptor and the new electropolished stainless steel mount V9182 (option).

RA444 est la nouvelle antenne professionnelle conçue pour assurer des performances élevées avec des dimensions compactes. L'antenne est dotée d'un fouet en fibre de verre à double-épaisseur, protégé par 5 couches de peinture polyuréthane, résistant aux rayons UV et un élément interne demi-onde assurant la meilleure communication possible avec un large lobe d'irradiation sur le plan horizontal. RA444 se caractérise pour être très facile à installer grâce au adapteur 1" BSP et au nouveau support en acier inoxydable électro-poli V9182 (option).

La RA444 è la nuova antenna VHF professionale della gamma Glomex appositamente studiata per tutti coloro che ricercano eccezionali performance in un'antenna dalle dimensioni compatte. L'antenna si caratterizza, infatti, per avere un tubo in fibra di vetro a doppio spessore protetto con 5 strati di vernice poliuretanica resistente ai raggi U.V. ed un elemento interno a ½ onda che assicura le migliori prestazioni di comunicazioni grazie ad un esteso lobo di irradiazione sul piano orizzontale. Inoltre, la RA444 si distingue per la facilità di installazione grazie all'adattatore integrato 1" GAS e al nuovo supporto in acciaio inox elettrolucidato V9182 (opzionale).

RA444

Sail Boat | Power Boat | Big Yacht | Commercial Ship

RA131 - PL259 male nickel-plated connector twist-on for RG213 see page 132	RG58ALL (RA152) low loss twin screen coax cable see page 130	RG213/U (RA118) low loss twin screen coax cable see page 130	RA132 - PL259 male nickel-plated connector twist-on for RG58 see page 132	V9182 melectropolished stainless steel mount see page 127
Supplied	Option	Option	Option	Option

RA800 - RA820

RA800 7 m (23')

9 dB

RA820 7 m (23')

9 dB

They are high gain VHF antennas (9dB) dedicated to large yachts and cargo ships. RA800 and RA820 are collinear antennas consisting of 2 basic antennas (bipolar to half-wave,) aligned vertically with of irradiation exclusion of the coaxial cable to the base. The 43mm (1.7") diameter of the inferior section and stainless steel finishes assures great reliability with long ray communications. The choice between the two models depends from the installation requirements: the RA800 needs a support for installation, whilst the RA820 can be directly mounted on the boat, thanks to the included self-supporting base.

Ce sont des antennes VHF à gain élevé (9dB), conçues pour de grands yachts ou pour des bateaux de commerce. RA800 et RA820 sont des antennes colinéaires se composant de 2 antennes de base (bipolaire à demi-onde), alignées verticalement avec suppression d'irradiation du câble coaxial à la base. La section inférieure de 43 mm (1,7'') de diamètre et les finitions en acier inoxydable, assurent une grande fiabilité pour les communications à longue portée. Le choix entre les deux modèles dépend des conditions d'installation : la RA800 nécessite un support d'installation, tandis que, la RA820 peut être directement montée sur le bateau, grâce à sa base autoportante incluse.

Sono antenne VHF ad elevato guadagno (9dB) dedicate ai grandi yacht e alle navi commerciali. RA800 e RA820 sono antenne collineari composte da 2 antenne elementari (dipoli a mezz'onda) allineate verticalmente con soppressione d'irradiazione del cavo coassiale alla base. I 43 mm (1,7'') di diametro della sezione inferiore e le finiture in acciaio inox garantiscono grande affidabilità nelle comunicazioni a lungo raggio. La scelta fra i due modelli dipende dalle esigenze d'installazione: la RA800 richiede un supporto per l'installazione, mentre, la RA820 può essere direttamente montata sull'imbarcazione grazie alla base autoportante inclusa.

RA800 - RA820

Power Boat | Big Yacht | Commercial Ship

	RG58ALL (RA152) 6m/20' coax cable see page 130	RA132SOLDERLESS - PL259 male gold-plated connector solderless see page 132	Self-supporting mount	RA819 electropolished stainless steel stand off bracket see page 122
RA800	Supplied	Supplied	-	Option
RA820	Supplied	Supplied	Supplied	Option
	RA176* electropolished stainless steel 4 way free swivel mount - see page 121	RA116SS electropolished stainless steel 4 way ratchet mount - see page 120	RA116RFC inside reforcement plate for RA116SS and RA819 (fiberglass boats) see page 127	Match appearance
RA800	Option	Option	Option	RA900 (SSB) see page 106
RA820	-	-	-	RA920 (SSB) see page 106

(*) RA176 must be coupled with RA119

800W

RA703 7 m (23')

RA704 7 m (23')

OPTION

RA719
ZINC-PLATED STEEL
STAND-OFF BRACKET

RA703

RA703 is the new professional antenna developed to guarantee great performance through high quality materials and a very strong structure. RA703 is a 7 m (23') SSB marine antenna and is completely insulated. It consists of 3 parts (2,35 + 2,35 + 2,30 m) and is finished with a highly resistant polyurethane paint. The particular 3 pieces-structure allows to carry RA703 in practical packaging and to easily install it. For its installation we suggest the use of the 4-way ratchet mount polished stainless steel RA116SS (optional) and the stand-off bracket RA119 (optional).

RA703 est la nouvelle antenne professionnelle conçue pour assurer des performances élevées grâce aux matériaux de haute qualité et à une structure très solide. RA703 est une antenne marine BLU haute 7 m (23'), complètement isolée, qui se compose de 3 modules (2,35 + 2,35 + 2,30 m), avec vernis externe en polyuréthane hautement résistant aux intempéries. La structure en 3 modules permet de transporter l'antenne avec emballages pratiques et de la installer facilement. Pour son installation, nous conseillons l'utilisation d'un support en acier inoxydable à double fixation RA116SS (en option) et le support intermédiaire RA119 (en option).

RA703 è la nuova antenna professionale progettata per garantire prestazioni elevate grazie a materiali costruttivi di altissima qualità e ad una struttura molto robusta. È un'antenna marina SSB alta 7 m (23') completamente isolata composta da 3 moduli (2,35 + 2,35 + 2,30), con verniciatura in poliuretano altamente resistente agli agenti esterni. La particolare struttura a 3 moduli consente di trasportare l'antenna in pratici imballaggi ed installarla con grande semplicità. Per la sua installazione si consiglia l'utilizzo del supporto in acciaio inox a doppio snodo RA116SS (opzionale) e del supporto intermedio RA119 (opzionale).

RA704

RA704 is the new professional antenna developed to guarantee great performance through high quality materials and a very strong structure. RA704 is a 7 m (23') SSB marine antenna and is completely insulated. It consists of 3 parts (2,35 + 2,35 + 2,30 m) and is finished with a highly resistant polyurethane paint. The particular 3 pieces-structure allows to carry RA704 in practical packaging and to easily install it. RA704 differs from RA703 for installation requirements: RA704 needs two brackets for installation - RA719 (optional).

RA704 est la nouvelle antenne professionnelle conçue pour assurer des performances élevées grâce aux matériaux de haute qualité et à une structure très solide. RA704 est une antenne marine BLU haute 7 m (23'), complètement isolée, qui se compose de 3 modules (2,35 + 2,35 + 2,30 m), avec vernis externe en polyuréthane hautement résistant aux intempéries. La structure en 3 modules permet de transporter l'antenne avec emballages pratiques et de la installer facilement. RA704 diffère de RA703 pour les conditions d'installation: RA704 nécessite deux equerre d'installation – RA719 (en option).

RA704 è la nuova antenna professionale progettata per garantire prestazioni elevate grazie a materiali costruttivi di altissima qualità e ad una struttura molto robusta. È un'antenna marina SSB alta 7 m (23') completamente isolata composta da 3 moduli (2,35 + 2,35 + 2,30), con verniciatura in poliuretano altamente resistente agli agenti esterni. La particolare struttura a 3 moduli consente di trasportare l'antenna in pratici imballaggi ed installarla con grande semplicità. RA704 si differenzia da RA703 per le esigenze d'installazione: RA704 richiede l'utilizzo di due staffe RA719 (opzionali) per l'installazione.

RA703 - RA704

Power Boat | Big Yacht | Commercial Ship

	RA176* electropolished stainless steel 4 way free swivel mount see page 121	RA119 stand-off reinforced nylon bracket see page 122	RA116SS electropolished stainless steel 4 way ratchet mount see page 120	RA116RFC inside reforcement plate for RA116SS and RA819 in fiberglass boats see page 127	RA719 zinc-plated steel stand-off bracket
RA703	Option	Option	Option	Option	-
RA704	-	-	-	-	Option

(*) RA176 must be coupled with RA119

RA900 - RA920

800W

RA900 7 m (23')

RA920 7 m (23')

* see specification page 97

This series of antennas is dedicated to large yachts and cargo ships. The RA900 is a completely insulated SSB marine antenna with a side feed for radio frequency input. The RA920 is a self-supporting SSB antenna with a central deck thru' radio frequency input.

Il s'agit d'une série d'antennes dédiées à de grands yachts et aux bateaux de commerce. Le RA900 est une antenne marine BLU complètement isolée, avec entrée latérale de radiofréquence. En revanche, la RA920, est une antenne BLU autoportante avec entrée centrale de radiofréquence.

È una serie di antenne è dedicata ai grandi yacht e alle navi commerciali. La RA900 è un'antenna marina SSB completamente isolata, con ingresso radiofrequenza laterale. La RA920, invece, è un'antenna autoportante SSB con ingresso radiofrequenza centrale.

RA819
see page 120

SUGGESTED WITH RA176

RA900 - RA920

Power Boat

Big Yacht

Commercial Ship

	Self-supporting mount	RA176* electropolished stainless steel 4 way free swivel mount see page 120	RA819 electropolished stainless steel stand off bracket see page 120	RA116SS electropolished stainless steel 4 way ratchet mount see page 120	RA116RFC inside reforcement plate for RA116SS and RA819 in fiberglass boats see page 127	Match appearance
RA900	-	Option	Option	Option	Option	RA800 (VHF) see page 104
RA920	Supplied	-	Option	-	-	RA820 (VHF) see page 104

(*) RA176 must be coupled with RA819

RA160 - RA161

RA160 600 mm (24")

6 dB

RA161 2,4 m (8')

6 dB

RA161

RA160

The RA160 and RA161 antennas allow you to send and receive telephone calls with your own mobile phone whilst at sea.

La RA160 et la RA161 permettent la transmission/réception d'appels téléphoniques avec le téléphone mobile même en haute mer.

Le antenne RA160 e RA161 permettono di ricevere ed effettuare telefonate con il vostro sistema cellulare di bordo anche in alto mare.

RA160 - RA161

Sail Boat

Power Boat

ANTENNA CODE	RA160	RA161
FREQUENCY RANGE	800 - 980 MHz 1800 - 1900 MHz	800 - 980 MHz
POLARIZATION	Vertical	Vertical
IMPEDANCE	50 ohms	50 ohms
SWR	-	-
MAX INPUT POWER	100 W	50 W
GAIN AVERAGE	6 dB	6 dB
DC GROUND	Yes	Yes
ANTENNA LENGHT	600 mm (24")	2,4 m (8')
ANTENNA WEIGHT	510 g (18 oz)	742 g (26,17 oz)
TERMINATION	N female for N male connector	cable

	 RG58ALL (RA152) 6m/20' coax cable see page 130	 RA158 - N male connector see page 132	 RA156 TNC male connector see page 132	 RA118 - RG213/U low loss twin screen coax cable see page 130	 V9171 electropolished stainless steel pipe mounting bracket see page 124
RA160	-	Supplied	-	Option	Option
RA161	Supplied	-	Supplied	-	-

	 V9173 electropolished stainless steel masthead bracket see page 125	 RA166/00 electropolished stainless steel 4 way ratchet mount see page 120	 V9174 electropolished stainless steel universal mount see page 121	 V9176 electropolished masthead L bracket see page 125	Match appearance
RA160	Option	-	Option	Option	-
RA161	-	Option	Option	-	RA1206 (VHF) - RA1278 (CB) RA1288 (AM/FM)

MOBILE PHONE ANTENNAS

RA106ORBC - RA109ORBC

RA106ORBC 1 m (3')

RA109ORBC 1 m (3')

ORBCOMM

(The RA109ORBC antenna has to be used with an extension see pages 116-117)

RA106
Glomex waterproof solderless connector only with RA106ORBC

The ORBCOMM Communication System takes advantage of low orbit satellites for mobile communications (e-mail, SMS, data.) The RA106 ORBC and RA109 ORBC antennas are designed according to ORBCOMM Italia specifications.

Le système de communication ORBCOMM utilise les satellites dans une orbite basse pour les communications mobiles (email, SMS, données). Les antennes RA106 ORBC et RA109 ORBC ont été conçues selon les spécificités ORBCOMM Italia.

Il sistema di Comunicazione ORBCOMM utilizza i satelliti in orbita bassa attorno alla Terra per le comunicazioni mobili (e-mail, SMS, data). Le antenne RA106 ORBC e RA109 ORBC sono state sviluppate secondo le specifiche di ORBCOMM Italia.

RA106ORBC
RA109ORBC

Sail Boat | Power Boat | Big Yacht | Commercial Ship

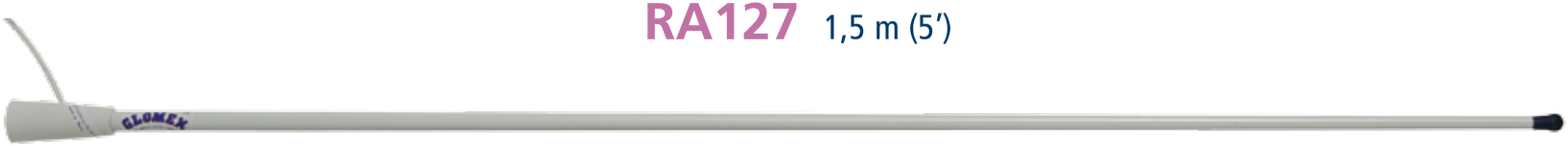
ANTENNA CODE	RA106ORBC	RA109ORBC
FREQUENCY RANGE	TX150 - RX137 MHz	TX150 - RX137 MHz
POLARIZATION	V ertical	Vertical
IMPEDANCE	50 ohms	50 ohms
SWR	-	-
MAX INPUT POWER	-	-
GAIN AVERAGE	3 dB	3 dB
DC GROUND	Yes (39")	Yes (39")
ANTENNA LENGHT	1 m (3')	1 m (3')
ANTENNA WEIGHT	180 g (6,35 oz)	180 g (6,35 oz)
TERMINATION	RA106 solderless connector	SO239 for PL259 male connector

	RA152 - RG58ALL low loss twin screen coax cable see page 130	RA132GOLD - PL259 male gold plated connector twist-on see page 132	1"x14 RA106 adaptor see page 126
RA106ORBC	Supplied 10 m (33') + BNC male	-	Supplied
RA109ORBC	Supplied 10 m (33') + BNC male	Supplied	Supplied

ORBCOMM ANTENNAS

RA127 - RA1278

RA127 1,5 m (5')



RA1278 2,4 m (8')

RA1278

RA127

The Citizens' band, or CB, is a radio frequency band aimed for private communications. The RA127 and RA1278 CB antennas assure a reliable and qualified communication system.

L'antenne Citizens' band , ou CB, est une bande de radiofréquence destinée à des communications privées. Les antennes CB RA127 et RA1278 permettent un système de communication fiable et de qualité.

La Citizens' band, o CB, è una banda di frequenze radio destinata alle comunicazioni personali. Le antenne CB RA127 e RA1278 garantiscono un sistema di comunicazione affidabile e di qualità.

RA127 - RA1278

Power Boat

ANTENNA CODE	RA127	RA1278
FREQUENCY RANGE	27 MHz	27 MHz
POLARIZATION	Vertical	Vertical
IMPEDANCE	50 ohms on channel 20	50 ohms on channel 20
SWR	≤ 1,2	≤ 1,2
MAX INPUT POWER	50 W	50 W
GAIN AVERAGE	Unity	Unity
DC GROUND	Yes	Yes
ANTENNA LENGHT	1,5 m (5')	2,4 m (8')
ANTENNA WEIGHT	450 g (15,90 oz)	786 g (27,72 oz)
TERMINATION	cable	cable

	RA152 - RG58ALL low loss twin screen coax cable see page 130	RA132 - PL259 male nickel-plated connector twist-on see page 132	V9171 electropolished stainless steel pipe mounting bracket see page 124	V9173 electropolished stainless steel masthead bracket see page 125
RA127	Supplied 4,5 m (15')	Supplied	Option	Option
RA1278	Supplied 6 m (20')	Supplied	Option	-

	V9174 electropolished stainless steel universal mount see page 121	RA135 nylon 4 way ratched mount see page 120	RA166/00 electropolished stainless steel 4 way ratchet mount see page 120	Match appearance
RA127	Option	Option	-	RA112 (VHF) see page 64 - RA128 (AM/FM) see page 90
RA1278	Option	-	Option	RA1206 (VHF) see page 66 - RA 161 (CELL) see page 110 RA1288 (AM/FM) see page 92

CB ANTENNAS

STAINLESS STEEL

EXTENSIONS

These are extensions used for vertical elevation of the antenna in order to clear the reception/transmission field. They can be made of stainless steel or UV resistant fibreglass and are the ideal complement to all Glomex (VHF, AIS, etc.) antennas.

Il s'agit de rallonges utilisées pour élever verticalement l'antenne et rendre la zone de réception/transmission libre. Elles peuvent être en acier inoxydable ou en fibre de verre peinte en polyuréthane. Elles complètent parfaitement toutes les antennes à fouet Glomex (VHF, AIS, etc.)

Sono prolunghe utilizzate per elevare verticalmente l'antenna e permettere di liberare il campo di ricezione/trasmissione. Possono essere in acciaio inox, o in fibra di vetro verniciata in poliuretano, e sono il completamento ideale per tutte le antenne a stilo Glomex (VHF, AIS, etc.).

ELECTROPOLISHED

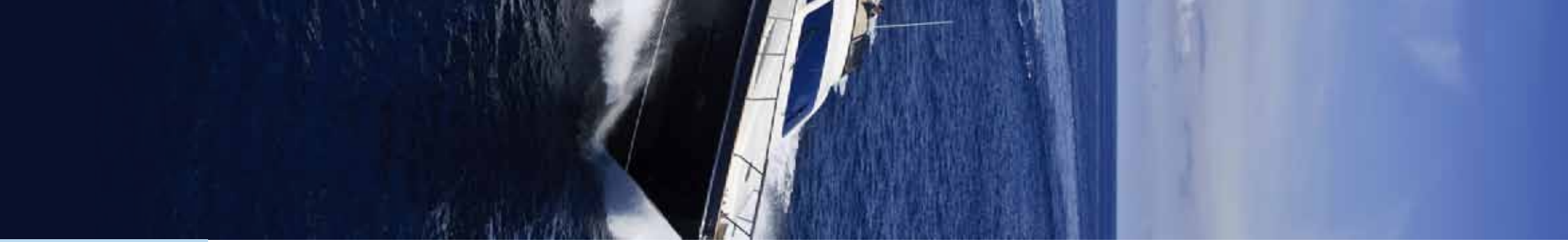
RA 103/15 150 mm (6")

RA 103/30 300 mm (12")

RA 103/60 600 mm (24")

RA 123 1,50 mts (5')

Power Boat



Power Boat

Sail Boat

RA150 2,40 mts (8’)

RA120 2 mts (6,6’)

RA149 1,2 mts (4’)

RA122/60 600 mm (24”)

EXTENSIONS

FIBREGLASS

These are specific extensions for GPS antennas. They are made of white painted aluminium and, with the side entry point, allow the passage through the centre of cable.

Ce sont des rallonges spécifiques pour les antennes GPS. Elles sont réalisées en aluminium laqué blanc et permettent le passage du câble central et latéral.

Sono prolunghe specifiche per le antenne GPS. Sono realizzate in alluminio laccato bianco e permettono il passaggio del cavo centrale e laterale.

EXTENSIONS

RA 129/15 150 mm (6")

RA 129/30 300 mm (12")

RA 129/60 600 mm (24")

RA 129/120 1,20 mts (4')

Power Boat

Sail Boat

MOUNTS & ACCESSORIES

Deck mounts 120

Rail mounts 123

Masthead mounts 125

Electronic chart plotters mounts 126

Accessories 126

Ground plates 128

Marine waterproof speakers 129

Coaxial cables 130

Connectors 132

Display & Packaging 133

RA115

4 way ratchet mount in reinforced nylon UV resistant design with handle, for deck or bulkhead. Hole for GPS and feed-thru for coax cable. Usable with antennas no longer than 9' in self supporting mode. Standard 1"x14 thread.

Support double articulation en nylon traité anti-UV pour fixation sur pont ou cloison, avec blocage par levier. Passe-câble pour câble coaxial et GPS. Pour antennes de maximum 2.70 mts en fixations autoportantes. Filetage standard 1"x14.

Base a doppio snodo in nylon rinforzato resistente ai raggi UV, con bloccaggio a leva, per pulpito o ponte. Foro per cavo coassiale e passacavo per GPS. Utilizzabile con antenne autoportanti non più lunghe di 2.70 mt. Filettatura standard 1"x14.

RA135

4 way ratchet mount in reinforced nylon UV resistant design with knob, for deck or bulkhead. Hole for GPS and feed-thru for coax cable. Usable with antennas no longer than 8' in self supporting mode. Standard 1"x14 thread.

Support double articulation en nylon traité anti-UV pour fixation sur pont ou cloison, avec blocage par molette. Passe-câble pour câble coaxial et GPS. Pour antennes de maximum 2.40 mts en fixations autoportantes. Filetage standard 1"x14.

Base a doppio snodo in nylon rinforzato resistente ai raggi UV con bloccaggio a manopola, per pulpito o ponte. Foro per cavo GPS e passacavo per GPS. Utilizzabile con antenne non più lunghe di 2.40 mt autoportanti. Filettatura standard 1"x14.

RA116SS

Heavy duty 4 way ratchet mount polished stainless steel design with handle, for deck or bulkhead. Hole for GPS and feed-thru for coax cable. Standard 1"x14 thread.

Support double articulation en acier inoxydable poli, pour fixation sur pont ou cloison, avec blocage par levier. Passe-câble pour câble coaxial et GPS. Filetage standard 1"x14.

Base a doppio snodo in acciaio inox elettrolucidato, con bloccaggio a leva, per pulpito o ponte. Foro per cavo GPS e passacavo per cavo coassiale. Filettatura standard 1"x14.

HEAVY DUTY **ELECTROPOLISHED**

RA166/00

4 way ratchet mount polished stainless steel design with handle, for deck or bulkhead. Hole for GPS and feed-thru for coax cable. Usable with antennas no longer than 9' in self supporting mode. Standard 1"x14 thread.

Support double articulation en acier inoxydable poli, pour fixation sur pont ou cloison, avec blocage a cliquet. Passe-câble pour câble coaxial et GPS. Pour antennes de maximum 2.70 mts en fixations autoportantes. File-tage standard 1"x14.

Base a doppio snodo in acciaio inox elettrolucidato, con bloccaggio a leva, per pulpito o ponte. Foro per cavo GPS e passacavo per cavo coassiale. Utilizzabile con antenne non più lunghe di 2.70 mt autoportanti. Filettatura standard 1"x14.

ELECTROPOLISHED

RA107SS

4 way ratchet mount polished stainless steel design with clamp, for deck or bulkhead. Hole for GPS and feed-thru for coax cable. Standard 1"x14 thread.

Support double articulation en acier inoxydable poli, pour fixation sur pont ou cloison, avec blocage a cliquet. Passe-câble pour câble coaxial et GPS. Filetage standard 1"x14.

Base a doppio snodo in acciaio inox elettrolucidato, con bloccaggio a levetta a scatto, per pulpito o ponte. Foro per cavo GPS e passacavo per cavo coassiale. Filettatura standard 1"x14.

ELECTROPOLISHED

RA176

4 way stainless steel free swivel mount for any mounting location. Designed for a quick antenna lowering, it must be coupled with a stand-off bracket. Standard 1"x14 thread.

Support double articulation en acier inoxydable, pour tous les emplacements de montage. Conçu pour une rapide descente de l'antenne, il doit être couplé avec un support intermédiaire. Filetage standard 1"x14.

Base libera a doppio snodo in acciaio inox, installabile in qualsiasi posizione. Progettata per un rapido e facile abbattimento dell'antenna, deve necessariamente essere abbinata ad uno stand-off bracket. Filettatura standard 1"x14.

ELECTROPOLISHED

V9177

Universal electropolished stainless steel mount for antennas and extensions. Standard thread 1"x14, weight 5,3 oz (150 g), height 13/8" (40 mm).

Support universel en acier inoxydable électro-poli pour antennes et rallonges. Filetage standard 1"x14, poids 150 g, hauteur 40 mm.

Supporto universale in acciaio inox elettrolucidato, per antenne e prolunghe. Filettatura standard 1"x14, peso 150 gr, altezza 40mm.

ELECTROPOLISHED

V9174

Universal mount stainless steel for antennas and extensions. Standard thread 1"x14, weight 10 oz (280 grs), height 4" (100 mm).

Support universel renforcé en acier inoxydable poli pour antennes et rallonges. Filetage standard 1"x14, poids 280 grs, hauteur 100 mm.

Supporto universale in acciaio inox elettrolucidato, per antenne ed estensioni. Filettatura standard 1"x14, peso 280gr, altezza 100 mm.

ELECTROPOLISHED

RA819

Stainless steel stand off bracket. Length from 290 to 330 mm. Weight 1,550 Kg.

Support intermédiarie en acier inoxydable électro-poli. Longueur de 290 à 330 mm. Poids 1,550 Kg.

Stand-off bracket in acciaio inox elettrolucidato. Lunghezza da 290 a 330 mm. Peso 1,550 Kg.

ELECTROPOLISHED

V9175OT

Universal mount reinforced nylon for GPS antennas only. Usable with RA129 extension. Standard thread 1”x14, weight 1 oz (27 grs), height 13/8” (40 mm).

Support universel renforcé en nylon pour antennes GPS. Il peut être utilisé avec la rallonge RA129. Filetage standard 1”x14, poids 27 grs, hauteur 40 mm.

Supporto universale in nylon rinforzato, adatto solo per antenne GPS. Utilizzabile con le prolunghe RA129. Filettatura standard 1”x14, peso 27 gr, altezza 40 mm.

V9175

Universal mount reinforced nylon for GPS antennas only. Usable with RA129 extension. Standard thread 1”x14, weight 2 oz (50 grs), height 4’ (100 mm).

Support universel renforcé en nylon pour antennes GPS. Il peut être utilisé avec la rallonge RA129. Filetage standard 1”x14, poids 50 grs, hauteur 100 mm.

Supporto universale in nylon rinforzato, adatto solo per antenne GPS. Utilizzabile con le prolunghe RA129. Filettatura standard 1”x14, peso 50gr, altezza 100 mm.

RA119

Stand-off bracket reinforced nylon. For bulkhead and rail of Ø 1” (25 mm) and 1”1/4 (30 mm). It accepts Ø 38,5 mm. (1,5”) antennas and is supplied with plastic inserts for extensions diam. 1” (25 mm), 1” 1/8 (28 mm) and 1”1/4 (30 mm).

Support intermédiaire en nylon renforcé. Fixation sur cloison ou balcon (diam. 25 ou 30 mm). Pour antennes de diamètre de 38,5 mm et avec adaptateurs de diamètre de 25, 28 et 30 mm pour rallonges.

Staffa intermedia di fissaggio in nylon rinforzato per fissaggio su diametri di 25 mm, 30 mm. Adattabile anche ad antenne con diametro da 38,5 mm e fornita con accessori di diverso diametro per estensioni con diametro di 25, 28 e 30 mm.

RA125

Rail ratchet mount in reinforced nylon UV resistant, design with handle and hole for GPS. Easily installation on vertical or horizontal rails of 7/8" (22mm) and 1" (25mm). Usable with antennas no longer than 8' in self supporting mode. Standard 1"x14 thread.

Rotule renforcée en nylon traité anti-UV, avec blocage par levier et passe-câble pour GPS. Fixation horizontale ou verticale sur balcon diamètre de 22 a 25 mm. Pour antennes de maximum 2.40 mts en fixations autoportantes. Filetage standard 1"x14.

Base a snodo in nylon rinforzato resistente ai raggi UV con bloccaggio a leva, con foro per cavo GPS. Installazione verticale od orizzontale su tubo di diametro compreso tra 22 e 25 mm. Utilizzabile con antenne non più lunghe di 2.40 mt autoportanti. Filettatura standard 1"x14.

RA134

Rail ratchet mount in reinforced nylon UV resistant, design with knob and hole for GPS. Easy installation on vertical or horizontal rails of 7/8" (22mm) and 1" (25mm). Usable with antennas no longer than 8' in self supporting mode. Standard 1"x14 thread.

Rotule renforcée en nylon traité anti-UV, avec blocage par molette et passe-câble pour GPS. Fixation horizontale ou verticale sur balcon diamètre de 22 a 25 mm. Pour antennes de maximum 2.40 mts en fixations autoportantes. Filetage standard 1"x14.

Base a snodo in nylon rinforzato resistente ai raggi UV con bloccaggio a manopola, con foro per cavo GPS. Installazione verticale od 22 e 25 mm. Utilizzabile con antenne non più lunghe di 2.40 mt autoportanti. Filettatura standard 1"x14.

RA145

Rail mount reinforced nylon UV resistant, for installation of GPS antennas on horizontal rails of 7/8" (22mm) and 1" (25mm). Usable with RA129 extension. Standard 1"x14 thread.

Rotule renforcée en nylon traité anti-UV, pour installation d'antennes GPS sur balcon horizontale de diamètre de 22 ou 25 mm. Il peut être utilisé avec la rollonge RA129. Filetage standard 1"x14.

Base in nylon rinforzato resistente ai raggi UV per l'installazione delle antenne GPS, su tubo orizzontale di diametro compreso tra 22 e 25 mm. Utilizzabile con estensioni serie RA129. Filettatura standard 1"x14.

RA147

Rail mount reinforced nylon UV resistant, design with knob, hole for GPS cable and 4 inches extension (100 mm). Easy installation on vertical or horizontal rails of 7/8" (22mm) and 1" (25mm). Usable with antennas no longer than 8' in self supporting mode. Standard 1"x14 thread.

Rotule renforcée en nylon traité anti-UV, avec blocage par molette, passe-câble pour GPS et rallonge de 100 mm. Fixation horizontale ou verticale sur balcon diamètre de 22 a 25 mm. Pour antennes de maximum 2.40 mts en fixations autoportantes. Filetage standard 1"x14.

Base a snodo in nylon rinforzato resistente ai raggi UV con bloccaggio a manopola, foro per cavo GPS ed estensione di 100 mm. Installazione verticale od orizzontale su tubo di diametro compreso tra 22 e 25 mm. Utilizzabile con antenne non più lunghe di 2.40 mt autoportanti. Filettatura standard 1"x14.

RA165

Rail ratchet mount stainless steel electropolished, design with handle and hole for GPS. Easily installation on vertical or horizontal rails of 7/8" (22mm) and 1" (25mm). Usable with antennas no longer than 8' in self supporting mode. Standard 1"x14 thread.

Rotule renforcée en en acier inoxydable poli, avec blocage par levier et passe-câble pour GPS. Fixation horizontale ou verticale sur balcon diamètre de 22 a 25 mm. Pour antennes de maximum 2.40 mts en fixations autoportantes. Filetage standard 1"x14.

Base a snodo in acciaio inox elettrolucidato con bloccaggio a leva e foro per cavo GPS. Installazione verticale od orizzontale su tubo di diametro compreso tra 22 e 25 mm. Utilizzabile con antenne non più lunghe di 2.40 mt autoportanti. Filettatura standard 1"x14.

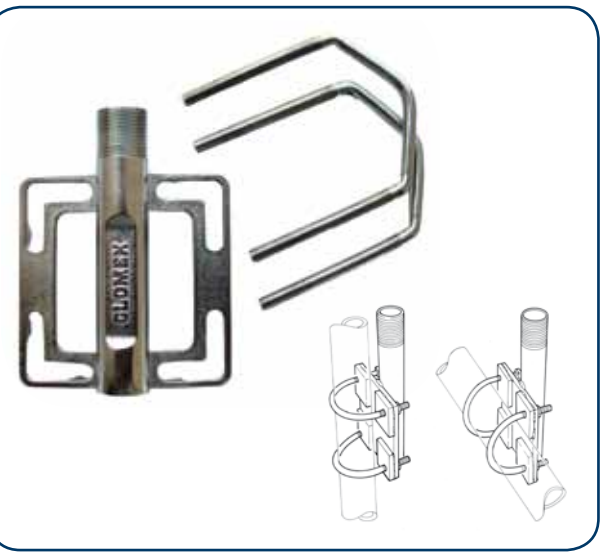
ELECTROPOLISHED

RA175

Rail mount reinforced nylon UV resistant, for installation of GPS antennas only on horizontal rails of 7/8" (22mm), 1" (25mm) and 1"1/4 (30 mm). Supplied with clamps for all 3 rail diameters.

Rotule renforcée en nylon traité anti-UV, pour installation d'antennes GPS sur balcon horizontale de diamètre de 22, 25 ou 30 mm. Fourni avec adptateur pour tous les 3 diamètres.

Base a snodo in nylon rinforzato resistente ai raggi UV, per installazione solo su tubo orizzontale di diametro compreso tra 22, 25 o 30 mm. Fornito con adattatori per tutti e tre i diametri del tubo.



V9171

Pipe mounting bracket in stainless steel. Mounts on vertical or horizontal tubes diam. 7/8" (22 m) to 3" (80 m). Thread 1"x14, weight 21 oz (600 gr).

Rotule en acier inox inoxydable pour fixation horizontale ou verticale sur balcon de diamètre de 22 à 80 mm. Filetage standard 1"x14, poids 600 grs.

Staffa in acciaio inox elettrolucidato, per installazione su tubo orizzontale o verticale di diametro da 22 a 80 mm. Filettatura 1"x14, peso 600 gr.

ELECTROPOLISHED

V9181

Mounting bracket in stainless steel electropolished. For horizontal and vertical mount on tube diameter 7/8" (22 mm) to 1"1/4 (30 mm).

Rotule en acier inoxydable poli. Pour fixation horizontale ou verticale sur balcon de diamètre de 22 à 30 mm.

Staffa di supporto in acciaio inox elettrolucidato. Per installazione su tubo verticale od orizzontale con diametro da 22 a 30 mm.

ELECTROPOLISHED

RA106BRACKET

Aluminium masthead bracket. White glossy polyester UV resistant painted.

Support en aluminium pour installation sur tête de mât. Peinture brillante en polyester blanc, résistant aux rayons UV.

Staffa in alluminio per installazione in testa d'albero. Verniciata poliestere UV resistente, colore bianco.

RA106BRACKINOX

Electropolished stainless steel masthead bracket.

Support en acier inoxydable électro-poli pour installation sur tête de mât.

Staffa in acciaio inox elettrolucidato per installazione in testa d'albero.

ELECTROPOLISHED

RA106BRACKINOX-L

Electropolished stainless steel L masthead bracket.

Support en L en acier inoxydable électro-poli pour installation sur tête de mât.

Staffa ad L in acciaio inox elettrolucidato per installazione in testa d'albero.

ELECTROPOLISHED

V9173

Masthead racket stainless steel. Thread 1"x14, weight 12 oz (330 grs).

Equerre inox de mat. Filetage standard 1"x14, poids 330 grs.

Staffa per testa d'albero in acciaio inox elettrolucidato. Filettatura 1"x14, peso 330 gr.

ELECTROPOLISHED

V9176

L masthead bracket 1" x 14 thread in stainless steel electropolished, height 8" (200 mm).

Equerre de mat au L filetage 1" x 14 en acier inoxydable poli, hauteur 200 mm.

Supporto ad L filettato 1" x 14 in acciaio inoxelettrolucidato per testa ad albero, altezza 200 mm.

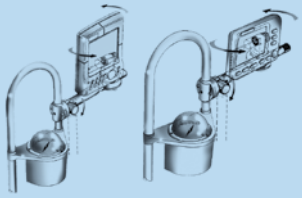
ELECTROPOLISHED

RA136

Installation kit for electronic chart plotters on a vertical tube diam. 7/8" (22 mm) and 1" (25 mm). The plotter can be adjusted and folded. Included extension in stainless steel.

Kit d'installation d'un traceur cartographique sur un tube verical de diamêtre de 22 o 25 mm. Le traceur cartographique est mobile et se rabat. Inclus l'extension en acier inox.

Kit per installazione di plotters su tubi verticali di diametro di 22 o 25 mm. Il plotter può essere orientato e abbattutto. Inclusa prolunga in acciaio inox.

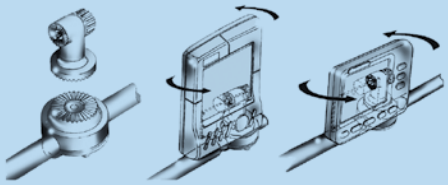


RA137

Installation kit for electronic chart plotters on horizontal tube diam. 7/8" (22 mm) and 1" (25 mm). The plotter is adjustable.

Kit d'installation d'un traceur cartographique sur un tube horizontal de diamêtre de 22 o 25 mm. Le traceur cartographique est orientable.

Kit per installazione di plotters su tubi orizzontali di diametro di 22 o 25 mm. Il plotter è orientabile.

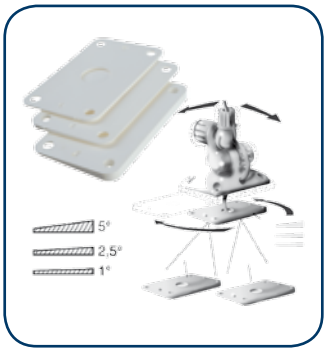


RA139

Reinforced nylon 4 way chart plotter mount.

Support renforcé pour traceur cartographique à double articulation.

Staffa supporto plotters a 4 vie in nylon rinforzato.



RA101

Set of 3 rectangular wedges for Glomex ratchet mounts to keep the antenna vertical on inclined surfaces.

Jeu de 3 cales rectangulaires pour rotule Glomex pour permet de mantenir l'antenne verticale sur une surface incline.

Set 3 pezzi rettangolari per basi a snodo Glomex, per permettere di mantenere l'antenna in posizione verticale su superfici inclinate.

RA102

Set of 2 round wedges for Glomex mounts V9175 - V9174 - V9124 - V9177 to keep the antenna vertical on inclined surfaces.

Jeu de 2 cales rondes pour supports Glomex V9175 - V9174 - V9124 - V9177 pour permet de maintenir l'antenne verticale sur une surface inclinée.

Set 2 pezzi rotondi per supporti Glomex V9175 - V9174 - V9124 - V9177, per permettere di mantenere l'antenna in posizione verticale su superfici inclinate.

RA105

Coaxial Gold Plated feed – thru supplied with PVC threaded protection for the external connector and PL259 Twist Gold Plated Connector.

Passe-Pont Plaqué or fourni avec manchon d'étanchéité caoutchouc (RA138) pour le connecteur extérieur et connecteur PL259 Plaqué or.

Passaparatia coassiale dorato fornita con protezione in PVC (RA138) per connettore esterno e connettore dorato PL259 (RA-132GOLD) .

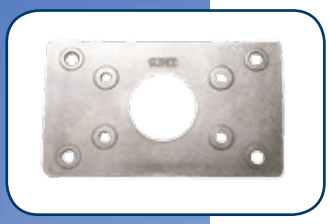
RA106ADAPT1X14

Stainless steel adaptor for RA106 PB antennas. Standard thread 1"x14.

Adaptateur en acier inoxydable électro-poli pour les antennes RA106 PB. Filetage standard 1"x14.

Adattatore in acciaio inox elettrolucidato per antenne RA106 PB. Filettatura standard 1"x14.

ELECTROPOLISHED



RA116RFC

Stainless steel inside reinforcement plate for fibreglass boats for RA116SS and RA819.

Plaque de renforcement en acier inoxydable électro-poli pour bateaux en fibre de verre pour RA116SS et RA819.

Piastra di rinforzo in acciaio inox elettrolucidato per barche in vetroresina per RA116SS e RA819.

ELECTROPOLISHED

RA138

Synthetic rubber threaded protection for PL259 connectors.

Manchon d'étanchéité caoutchouc pour connecteur PL259.

Protezione in gomma sintetica per connettori PL259.

RA140

Nylon feed-thru for deck passage for one or two coaxial cables and connectors.

Obturateur / passe-fils en nylon pour 1 ou 2 cables coaxiaux et connecteurs.

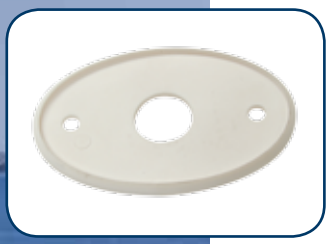
Passacavo in nylon per 1 o 2 cavi coassiali e connettori.

V9101

Synthetic rubber gasket for aluminium surface insulation for V9174, V9124 and V9177.

Joint en gomme synthétique pour supports V9124, V9174 et V9177 pour isoler des ponts en aluminium.

Guarnizione in gomma sintetica per isolamento su superfici in alluminio per supporti V9124, V9174 e V9177.

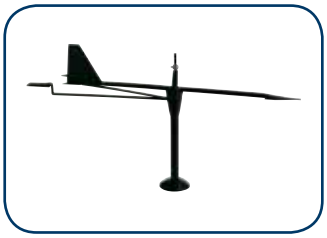


V9102

Synthetic rubber gasket for alluminium surface insulation for V9172.

Joint en gomme synthétique pour support V9172 pour isoler des ponts en aluminium.

Guarnizione in gomma sintetica per isolamento su superfici in alluminio per il supporto V9172



RA179

Wind indicator 12" (300 mm) for masthead or VHF antennas Aloud series.

Girouette de 300 mm pour tête de mat ou antennes série Aloud.

Indicatore vento 300 mm per testa d'albero o antenne VHF serie Aloud.

RA209

Reinforced Nylon Masthead Bracket Insulator for Aluminium Sailing Boats. This Nylon reinforced Bracket Insulator suits all the Glomex Sailboat Antenna Models (RA106, RA109, RA2022, RA128/18-25 series). It is supplied with 4 stainless steel nuts.

Isolateur Nilon renforcé pour bateaux à voile. Compatible avec tout antennes voilers Glomex (RA106, RA109, RA2022, RA128/18-25). Fourni avec 4 goudrons inox.

Isolatore in Nylon per barche in alluminio. Questo isolatore è compatibile con tutti i modelli di antenna Glomex per barca a vela (RA106, RA109, RA2022, RA128/18-25). Viene fornito con 4 dadi in acciaio inossidabile.

V9178

1"x14 male to 1" BSP female adaptor: allows you to install all the Glomex Antennas with standard 1"x14 thread on a 1" BSP threaded mount. Weight 6.7 oz (190 g), height 3" (80 mm).

1''x14 mâle sur adaptateur 1'' bps femelle : il permet d'installer toutes les antennes Glomex avec filetage standard 1"x14 sur support fileté bsp 1". Poids 190 g, hauteur 80 mm.

Adattatore da 1"x14 maschio a 1" gas femmina: per installare tutte le antenne Glomex con filettatura standard 1"x14 su supporti filettati 1" gas. Peso 190 gr, altezza 80mm.

ELECTROPOLISHED

V9179 KIT

Adapter Kit composed by 1pc. V9178 and 1pc 1"x14 adaptor: allows you to install the RA2025 Glomex antenna and other antennas on a 1" BSP threaded mount.

Kit adaptateur avec 1 V9178 et 1 adaptateur 1"x14 : il permet d'installer l'antenne RA2025 et d'autres antennes sur support fileté bsp 1".

Kit di adattamento composto da un V9178 e un adattatore 1"x14 maschio: per installare l'antenna Glomex RA2025 e altre su supporti filettati 1" gas.

ELECTROPOLISHED

V9182

Electropolished stainless steel mount for RA444. Thread 1" BSP, weight 5,3 oz (150g), height 13/8" (40mm).

Support universel en acier inoxydable électro-poli pour RA444. Filetage 1" BSP, poids 150 g, hauteur 40 mm.

Supporto in acciaio inox elettrolucidato, per RA444. Filettatura 1" GAS, peso 150 gr, altezza 40mm.

CE1262

Radio extension cable, 3,6m (12') lenght, motorola jack to motorola plug.

Extension du câble radio, 3,6m longue, prise motorola au connecteur motorola.

Prolunga del cavo radio, 3,6m di lunghezza, con spina motorola per presa motorola.

CE1262/10

Radio extension cable, 10m (33') lenght, motorola jack to motorola plug.

Extension du câble radio, 10m longue, prise motorola au connecteur motorola.

Prolunga del cavo radio, 10m di lunghezza, con spina motorola per presa motorola.

GROUND PLATES

RA206

ø 55 mm (2 1/4") is conceived for tanks in order to neutralize static electricity on metal tanks or on metal parts inside of plastic tanks.

RA202

ø 128 mm (5"). Needs only one hole instead of the two needed to install rectangular plates.
Surface 1.7 sq/mt.

RA203

155x51x13mm
(6x2x1/2").
Surface 1,15 sq/mt

RA204

205x64x13mm
(8x2 1/2x1/2").
Surface 2 sq/mt

RA205

300x80x13mm
(12x3x1/2").
Surface 3,45 sq/mt

RA207

455x150x13mm
(18x6x1/2").
Surface 5,75 sq/mt

Nuts, screws and spacers SUPPLIED

Earthing or ground plates are a necessary interface between on board electronic devices and the heat sink: water. Glomex earthing plates are made of golden sintered bronze, that is, they consist of a million microspheres creating a surface 10 times bigger than the actual one. They can have either a rectangular or a circular shape, and are fastened to the hull by means of bronze bolts and nuts, highly resistant to corrosion, and rubber spacers. The exclusive shape offered by Glomex assures a larger surface and a better strength.

Les plaques de masse sont une interface nécessaire entre les dispositifs électroniques de bord et l'élément de dissipation thermique : l'eau. Les plaques de masse Glomex sont faites en bronze doré fritté, c'est-à-dire, qu'elles se composent de millions de microsphères pouvant atteindre une superficie jusqu'à 10 fois supérieure à celle de la plaque. Elles peuvent être de forme rectangulaire ou ronde et sont fixées au-dessous de la coque à l'aide de vis et d'écrous en bronze, hautement résistants à la corrosion, et d'entretoises isolantes en caoutchouc. Sa forme exclusive conçue par Glomex garantit une plus grande superficie et une meilleure résistance.

Le piastre di massa sono la necessaria interfaccia tra la strumentazione elettronica di bordo e l'elemento dissipatore: l'acqua. Le piastre di massa Glomex sono realizzate in bronzo dorato sinterizzato, ovvero, sono composte da milioni di microsfere che sviluppano una superficie fino a 10 volte superiore a quella reale. Possono essere di forma rettangolare o circolare, e vengono fissate sotto la carena per mezzo di viti e dadi in bronzo, altamente resistenti alla corrosione, e distanziali isolanti in gomma. La forma esclusiva proposta da Glomex assicura una maggiore superficie ed una maggiore robustezza.

MODEL	RA206	RA202	RA203	RA204	RA205	RA207
DIMENSION	Ø 55 mm (2")	Ø 128 mm (5")	155x51x13 mm (6x2x1/2")	205x64x13 mm (8x21/2x1/2")	300x80x13 mm (12x3x1/2")	455x150x13 mm (18x6x1/2")
GROUND AREA EQUIVALENT		1,7 m² (18,3 ft²)	1,15 m² (12,4 ft²)	2 m² (21,5 ft²)	3,45 m² (37,1 ft²)	5,75 m² (61,9 ft²)
WEIGHT	0,12 kg (0,3 lb)	0,6 kg (1,3 lb)	0,52 kg (1,2 lb)	0,8 kg (1,8 lb)	1,65 kg (3,6 lb)	4,2 kg (9,3 lb)
USE	Tanks	Generators general grounding	Generators general grounding	2 SSB 400W	2 SSB 800W	2 SSB 800W +

Sail Boat Power Boat

LOUD SPEAKERS FOR RADIO AND MUSIC

4 OHMS

BCN931
Loud waterproof speaker - white

BCN931B
Loud waterproof speaker - black

REMOVABLE GRID

BCN934
White aluminium grid
external diameter 165mm

BCN934B
Black aluminium grid
external diameter 165mm

EXTERNAL SPEAKERS FOR MARINE VHF RADIOS

8 OHMS

RA220
external speaker - white

RA220B
external speaker - black

Glomex speakers are designed for use in the marine environment. They can be used both inside and outside the yacht and you have a choice between two colours: white and black. The outer grill is interchangeable.

Les haut-parleurs Glomex sont conçus pour une utilisation dans un environnement marin. Ils peuvent être utilisés aussi bien à l'intérieur qu'à l'extérieur du bateau et sont disponibles en deux couleurs : blanc et noir, la grille externe est interchangeable.

Gli altoparlanti Glomex sono concepiti per l'applicazione in ambiente marino. Possono essere utilizzati sia all'interno che all'esterno dell'imbarcazione, ed è possibile scegliere fra 2 colori: bianco e nero. La griglia esterna è intercambiabile.

	LOUD SPEAKERS FOR RADIO AND MUSIC	EXTERNAL SPEAKERS FOR VHF MARINE RADIOS
CHANNELS	2	2
MAXIMUM POWER	70 W	70 W
IMPEDANCE	4 ohms	8 ohms
FREQUENCY	from 85 to 20,00 Hz	from 85 to 20,00 Hz
FREQUENCY OF RESONANCE	85 Hz	85 Hz
DISTORSION	max 5%	max 5%
WOOFER	118 mm (4,65") diameter	118 mm (4,65") diameter
MADE OF	polypropilene	polypropilene
MARINE ENVIRONMENT RESISTANT	Yes	Yes
INSTALLED ON RUBBER ABSORBER	Yes	Yes
ELECTRO MAGNET	5 Oz	5 Oz
FERRITE	70x31x10	70x31x10
TWEETER	43mm (1,69") diameter made of MYLAR	43mm (1,69") diameter made of MYLAR
CASE	Monobloc of abs hight resistance to shocks, sea water and U.V. rays	Monobloc of abs hight resistance to shocks, sea water and U.V. rays
FRONTAL REMOVABLE	Yes	Yes
ALUMINIUM COATED GRID	Yes	Yes
EXTERNAL DIAMETER	165 mm (6,5")	165 mm (6,5")
WITH	53 mm (2,09")	53 mm (2,09")
WEIGHT	530 g (18,69 oz)	530 g (18,69 oz)

Sail Boat Power Boat

VHF 50 Ohms

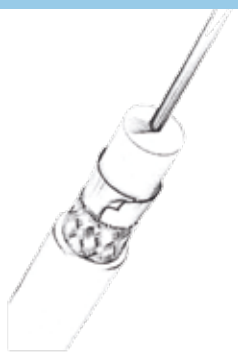
RG58 ALL
(for VHF antennas)
Glomex Code
RA152
Low loss
twin screen

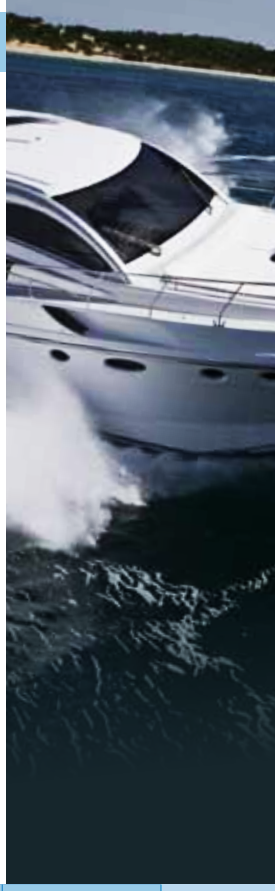
RG213/U
(for VHF antennas)
Glomex Code
RA118
Low loss
twin screen

RG58C/U MILC17
(for VHF antennas)
Glomex Code
RA117
Twin screen

TV 75 Ohms

RG6/U
(for TV antennas)
Glomex Code
V9135/V9139
Low loss
twin screen





COAXIAL CABLES LINE

RA118	RA117	RA152	RA152/10	RA152/20	V9135	V9139/20	V9139/25
100 mt (328') roll RG 213/U Twin Screen Low Loss	100 mt (328') roll RG 58C/U MIL-C-17 Twin Screen	100 mt (328') roll RG 58 ALL Twin Screen Low Loss	10 mt (33') roll RG 58 ALL Twin Screen Low Loss	20 mt (66') roll RG 58 ALL Twin Screen Low Loss	100 mt (328') roll RG 6/U Twin Screen Low Loss	20 mt (66') roll RG 6/U Twin Screen Low Loss	25 mt (82') roll RG 6/U Twin Screen Low Loss
VHF 50 Ohms					TV 75 Ohms		

COAXIAL CABLES

Coaxial cable is the component for transferring signal from the antenna to the receiver/sender. Low quality and very long cables can impair the operation of a good antenna, by reducing efficiency, and for this reason Glomex have designed coaxial cables specifically for application in the marine environment and in a high quality to ensure long lasting performance.

Le câble coaxial est le composant transférant directement le signal de l'antenne au récepteur/émetteur, donc, un câble de basse qualité ou un câble trop long peut altérer le fonctionnement d'une bonne antenne, en diminuant son efficacité. Pour cette raison les câbles coaxiaux de Glomex sont spécialement destinés pour l'utilisation en environnement marin en assurant des performances de grande qualité et durables.

Il cavo coassiale è l'elemento che trasferisce direttamente il segnale dall'antenna al ricevitore/trasmettitore, pertanto, cavi di qualità scadente e di lunghezza elevata possono compromettere il funzionamento di una buona antenna, vanificandone l'efficienza. Per questo, Glomex ha progettato dei cavi coassiali specifici per l'applicazione in ambiente marino, capaci di garantire performance qualitativamente superiori e prolungate nel tempo.

GLOMEX CODE	RA152	RA118	RA117	V9135/V9139
TYPE	RG58ALL	RG213/U	RG58C/U	RG6/U
IMPEDANCE OHM	50 ± 2	50 ± 2	50 ± 2	75 ± 2
CAPACITY pF/m	82	80	98	80
SPEED RATIO %	78	80	66	80
SHIELD dB 100-900 Mhz	> 50	> 80	> 50	> 80
STRUCTURAL RETURN-LOSS Db	> 20	> 35	> 35	> 30
Mhz 30-300/300-900	> 20	> 28	> 30	> 28
INNER CONDUCTOR RESISTANCE	38	3,6	38	18
Ohm/Km	18	6	17	21,5
V MAX	1000	2500	1900	-
JACKET INSULATION	-	-	-	0,7
CONDUCTOR DIAMETER	19x0,18 mm (0,75"x0,01")	2,5 mm (0,09")	19x0,18 mm (0,75"x0,01")	1,55 mm (0,06")
MATERIAL	CUST	CU	CUST	CU
DIELECTRIC	PEE	PE	PE	PEE
DIELECTRIC DIAMETER	2,95 mm (0,12")	7,0 mm (0,27")	2,95 mm (0,12")	5,0 mm (0,19")
SHIELD	AL 3 - CUST	F.CU - CU	AL 3 - CUST	CUST
SHIELD %	100	98	98	100
JACKET - TYPE / DIAMETER	PVC - 5,0 mm (0,19")	PE - 10,3 mm (0,41")	PVC - 5,0 mm (0,19")	PVC - 6,7 mm (0,26")
MINIMUM FOLDING RADIUS	50 mm (1,57")	130 mm (5,12")	110 mm (4,33")	50 mm (1,57")
WEIGHT kg/100m	3,2 kg (7,05 lb)	12,8 kg (28,22 lb)	3,3 kg (7,27 lb)	3,7 kg (8,16 lb)
PACKAGE	10 - 20 - 100 m (33' - 66' - 328')	100 m (328')	100 m (328')	20 - 25 - 100 m (66' - 83' - 328')

ATTENUATION DB X 100 MT AT 20°C

GLOMEX CODE	RA152	RA118	RA117	V9135/V9139
TYPE	RG58ALL	RG213/U	RG58C/U	RG6/U
50 Mhz	8,3	2,9	10,4	4,4
100 Mhz	11,3	4,3	15,1	5,9
200 Mhz	15,9	6,2	22,3	8,2
400 Mhz	23,8	9,3	33,8	16
860 Mhz	38,2	13,8	52	17,9
1000 Mhz	42,9	16	57,8	20
1750 Mhz	-	-	-	27,6
2000 Mhz	-	-	-	29,7

LEGEND

CU	Bare copper
CU ST	Tinned copper
CU AG	Silvered copper 4%
AL 3	aluminium tape + aluminium + copper
F.CU	Copper tape
AL 2	Aluminium + polyester tape
PE	Solid polyetilene
PEE	Foam polyetilene
CW	Copperweld

RA131

PL259 male connector for RG213/U

RA131GOLD

PL259 male gold plated connector for RG213/U

RA132

PL259 male connector for RG58/U. Twist on

RA132GOLD

PL259 male gold plated connector FOR RG58/U. Twist on

RA132SOLDERLESS

PL259 male gold plated solderless connector for RG58/U

RA133

PL258 double female connector for PL259

RA133GOLD

PL258 double female gold plated connector for PL259

RA153

BNC male nickel plated for RG213/U

RA155

BNC female to TNC male connector

RA156

TNC male connector for RG58/U

RA157

Mini UHF male connector for RG58/U

RA158

N male connector for RG213/U

RA159

N female to TNC female adaptor

RA163

F/F female gold plated connector

V9137

IEC 9,5mm MALE CONNECTOR FOR TV CABLE

V9137/F

IEC 9,5mm FEMALE CONNECTOR FOR TV CABLE

V9141

F FEMALE to IEC 9,5mm MALE FOR TV CABLE ADAPTOR

V9142

F MALE to F FEMALE EXTENSION FOR V9114

V9144

Male gold plated connector for RG59/U and V9135 Glomex coax

V9145

F TERMINATOR 75 Ohm

V9146

F 90° connector

You can easily show the Glomex products on this Glomex displays and improve your antenna and accessory sales.

Vous pouvez facilement présenter les antennes et les accessoires Glomex sur ce présentoir qui favorisera vos ventes.

Puoi facilmente esporre la gamma di prodotti Glomex grazie al comodo display che, indubbiamente incrementerà le tue vendite di antenne e accessori Glomex.

BLISTER PACK

DISPLAY DIMENSIONS:
Base ø 600 mm
Height 2,00 mt

CARDBOARD TUBE

standard pack 1 pc

AUS RETAIL PACKAGING

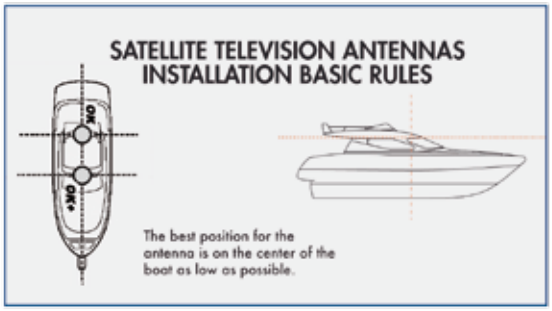
single tubolar packaging +
standard repack 4 pcs

The ***AUS** code extension identify these antennas. The price of the ***AUS** versions is cheaper than the cardboard tube packed antennas.

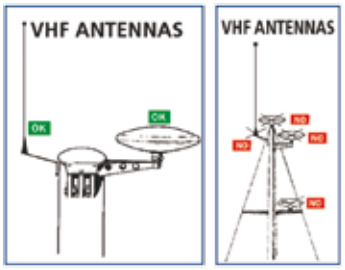
Le code ***AUS** identifie l'emballage de ces antennes. Le prix de cette version ***AUS** est plus économique que le prix des antennes emballées dans le tube en carton.

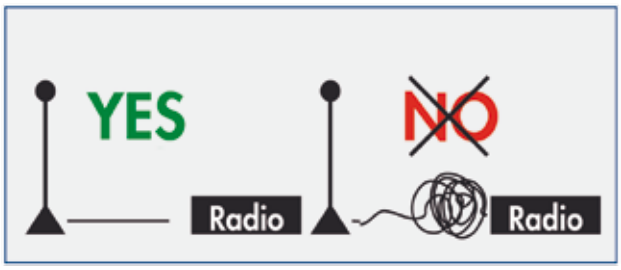
Il codice ***AUS** identifica l'imballaggio di queste antenne. Il prezzo di questa versione ***AUS** è più economico di quella imballata nel tubo di cartone.

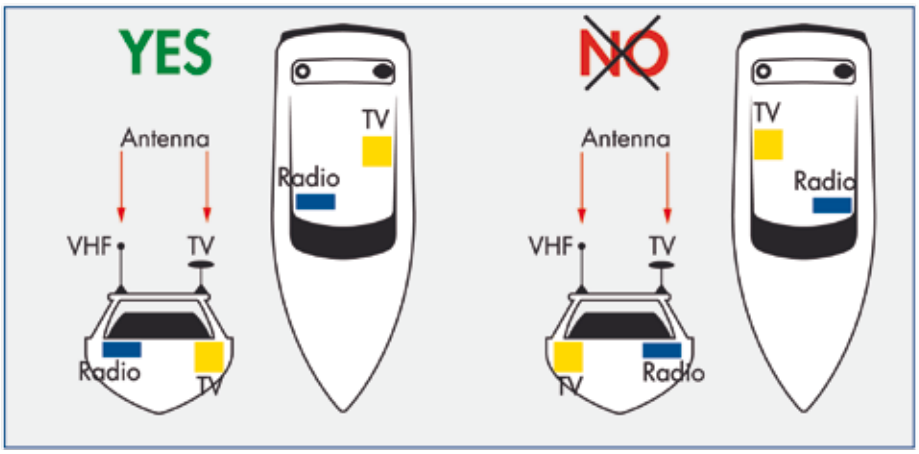
* For:
RA104NY - RA104SS
RA112 - RA112CR
RA1206CR - RA1206NY
RA1288 - RA128
RA2022/18 - RA2022/25

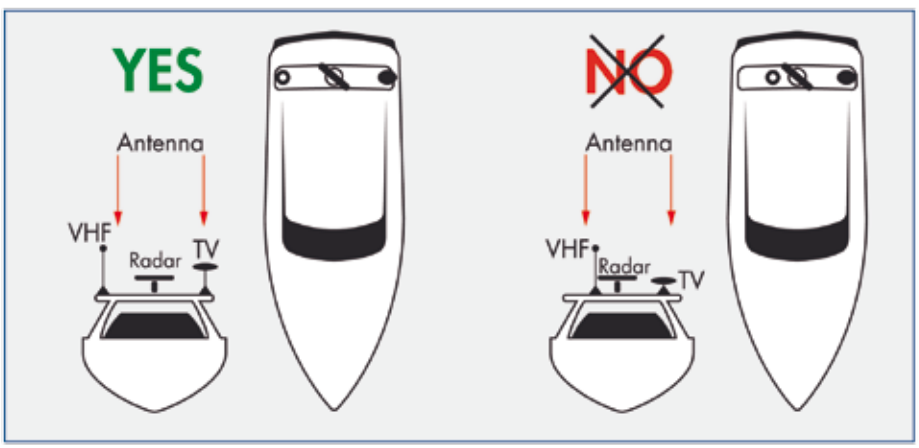

SATELLITE TELEVISION ANTENNAS
INSTALLATION BASIC RULES
OK
OK
The best position for the antenna is on the center of the boat as low as possible.

OK


VHF ANTENNAS
OK
OK
VHF ANTENNAS
NO
NO
NO


YES
NO
Radio
Radio


YES
Antenna
VHF
TV
Radio
TV
TV
Radio
NO
Antenna
VHF
TV
TV
Radio
TV
Radio


YES
Antenna
VHF
Radar
TV
NO
Antenna
VHF
Radar
TV

GENERAL

Transmitting and/or receiving equipments include three distinct parts, all equally important. These are: the transceiver, the coaxial cable with its connectors carrying the signal to or from the antenna, the antenna itself. At present cables, connectors and antennas often do not get the attention they deserve. Yet, their functionality has a notable effect on the performance of the whole system. A wrong antenna, poor quality coax cable or a low quality connector can waste the money spent for good equipment and a careful installation. At every frequency, besides being free from obstacles, the antenna has to meet precise electrical and electronic requirements. Glomex has always made every effort to develop design and manufacturing qualities to improve antenna performance; besides complying with existing international standards. This means better performance of the entire transceiver system. When choosing an antenna, it is advisable to discuss with your dealer, about all the problems connected with the installation and the type of transceiver. This will let you tackle any problems before they arise. In case this sort of advice is not available, the information provided below should be helpful in selecting the right antenna.

HEIGHT

For VHF and UHF transmission range, the higher the antenna is positioned, better are the performances.
Following such instructions it will be easy to make the right choice, original Glomex cables and accesories as well as the correct installation will be then decisive factors for obtaining the best result.

GAIN

It is the most important specs of the antenna. It is indicated in DB; at the higher is the figure, the greater is the range. On the other hand, a high gain decreases the radiation pattern; this means that low gain antennas are less influenced by rolling and pitching of a boat; increasing the gain, the movement of the boat may cause a temporary signal's reduction.
These are the reasons why on planing boats it is suggested to install high gain antennas, while on sailboats, with the masthead subject to swaying, the best would be, whenever possible, an antenna ground plane (RA108).

POLARIZATION

Each antenna has its own polarization, and also its preferential working plane, to be respected as much as possible. For example VHF, SSB, Loran, CB and cell-phone antennas have a vertical polarization and decrease gradually their gain, increasing their inclination; furthermore the factor is influenced by the frequency, gain losses are greater with high frequencies and progressively diminish reducing the frequency.
Accordingly with the great majority of the stations, the TV antennas have a horizontal polarization, it is therefore necessary to install them in such a position. The incidence of motion is less evident with the omnidirectional models; the directional models have a reception angle max 60° that gives excellent performance if the antennas are correctly oriented but can easily lose the signal due to rolling, pitching or inclination. All this means television antennas must be installed horizontally and other antennas as much vertical as you possible.

MOUNTS, ACCESSORIES AND INSTALLATION

Quite often the importance of accessories and installation is neglected. Glomex accessories are carefully conceived to offer the correct solution to any installation problem.
They are the result of long experience and testing, with special attention to the new technologies and to the needs of the users. This catalogue provides all the information for the correct choice, your dealer and technician can provide precise specifications.

COAX CABLE CUTTING

Cutting the Glomex antenna coax cable is not a problem, just remember that a shorter cable enhance the performance of the antenna.
The cable can be cut following a simple rule, do not cut the cable less than 2 mts (7') on VHF antenna. Avoid to cut the cable on CB and TV Antennas.

DC GROUND

It's referred to the design of the antenna, to avoid static electricity buildup on the antenna element, in order to reduce the noises on the receiver. When tested with an ohm-meter all Glomex VHF, cell-phone and CB Antennas will show continuity.
All Glomex VHF and CB antennas have a built-in DC ground.

SWR

(Stationary Wave Return)
All the SWR ratios indicated in this catalogue depend on the antenna location on the boat. All antennas have to be clear in all directions and at least 1 meter away from metallic parts. The SWR, when tested, should not exceed 1:1,3 with the antenna installed on the boat.

EGS

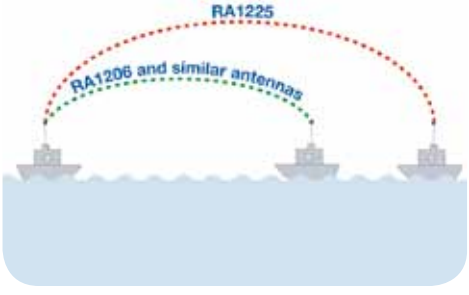
(Electronic Gyro-Stabilized)
The EGS systems allow to compensate the boat movement with quickest and precise compensation available today in the market.

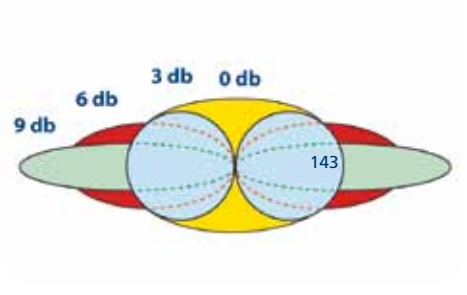
CRJ and MCRJ

(Coaxial Rotating Joint)
The CRJ allows the antenna to rotate infinitely on itself as no coaxial cable "wrapping" is needed.

NIT

(Network Identification Table)
It's a double check to be sure that the antenna is tracking right the satellite you want, as the small separation angle between one satellite and another could generate problems in satellite tracking.





GENERALITES

Un appareil de réception ou de radio transmission est composé de trois parties distinctes, toutes trois importantes: l'appareil Emetteur / Récepteur, le câble coaxial avec l'ensemble de connecteurs et l'antenne. Câbles, connecteurs et antennes sont encore aujourd'hui des éléments souvent négligés.
Et pourtant leur bon fonctionnement à une grande importance, notamment sur tout le système. Une antenne ou un câble coaxial de mauvaise qualité peut rendre inutile l'investissement et les soins portés à l'installation de l'appareil. Pour chaque fréquence, l'antenne, en plus d'être performante dans toutes les directions, doit avoir les qualités électriques et électroniques requises. Glomex s'est toujours employé à respecter toutes ces normes internationales déjà existantes, développant ainsi les qualités du projet et de la construction qui peuvent contribuer à mettre en valeur les prestations de l'antenne et ainsi de la totalité de l'appareil Emetteur /Récepteur. Pour le choix d'une antenne, il est opportun de discuter avec le vendeur ou l'installateur des problèmes spécifiques concernant le montage de l'appareil choisi. Au cas ou cela ne serait pas possible, les informations qui suivent peuvent être utiles comme critères de base pour la sélection de l'antenne.

HAUTEUR

Pour les transmissions VHF et UHF, de manière générale, plus l'antenne est grande, meilleurs sont les résultats. En suivant de telles indications, de mauvais choix ne peuvent être commis.
En choisissant les accessoires et les câbles d'origine Glomex et en étant attentif aux différentes phases de l'installation, on obtient les meilleures performances.

GAIN

C'est la caractéristique technique principale d'une antenne. Il est exprimé en DB, plus il augmente, plus la portée utile de la communication augmente. Par ailleurs, un gain élevé réduit l'ampleur du diagramme de rayonnement. Ce qui signifie qu'avec des gains bas, la réception et la transmission est moins parasitée par le roulis et le tangage même si la portée est inférieure. Au fur et à mesure que le gain augmente, on a une portée meilleure, mais les mouvements du bateau, roulis, tangages, peuvent provoquer une atténuation temporaire du signal reçu. Pour ces raisons, sur les bateaux à moteur, qui sont moins sujets aux roulis et aux tangages, il est conseillé d'utiliser les antennes à haut gain. Au contraire, sur les voiliers où la tête de mât peut subir des oscillations importantes, il est préférable d'utiliser, dans la mesure du possible, des antennes plan de masse (RA108).

POLARISATION

Chaque antenne a une polarisation, c'est à dire un plan préférentiel de fonctionnement qui doit être respecté.
Par exemple, les antennes VHF, radiotéléphone cellulaire, BLU, LORAN, ont des polarisations verticales et diminuent progressivement leur gain lorsque l'inclinaison augmente.
De plus, le phénomène est accentué par la fréquence. Les antennes TV ont, en accord avec la majorité des stations émettrices, des polarisations horizontales et il est donc indispensable de travailler selon cette polarisation.
Dans le cas d'antennes omnidirectionnelles, le phénomène est légèrement moins évident que pour les antennes directionnelles, qui ont un angle de réception de 60°, et ont d'excellents résultats si correctement orientés, mais qui peuvent facilement perdre le signal en cas de roulis ou tangages. Cela signifie que les antennes TV doivent être installées le plus verticalement possible.

ROTULES, ACCESSOIRES ET INSTALLATION

L'importance de ces détails est trop souvent sous-évaluée. La série des accessoires Glomex a été très attentivement étudiée afin de résoudre correctement tout problème d'installation.
Ils sont le fruit d'une longue expérimentation pratique et suivent une évolution constante au fur et à mesure que des nouvelles technologies ou exigences émergent. Etant donné l'importance de ces accessoires, ce catalogue fournit toutes les données nécessaires pour permettre un choix correct.
Vendeurs et techniciens sont également en mesure de vous donner des conseils utiles et précis.

COUPE DU CABLE COAXIAL

Couper le câble des antennes Glomex n'est pas un problème, mais coupé un câble trop court, réduit les performances de l'antenne. Laisser 2 mètres minimum de câble pour une antenne VHF.
Eviter de couper le câble d'une antenne CB ou TV.

LIAISON MASSE

La qualité de fabrication des antennes évite l'accumulation d'électricité statique sur l'élément actif et réduit de ce fait, le bruit au niveau du récepteur.
En conséquence, le test des antennes VHF ou CB Glomex avec un ohmmètre donne une mesure de continuité.
Liaison masse ne veut pas dire que l'antenne doit être connectée à la masse mais que les antennes Glomex VHF et CB GSM sont couplées la masse du câble coaxial.

SWR

(Stationary Wave Return)
Toutes les mesures indiquées sur ce catalogue dépendent de la position de l'antenne sur votre bateau. Toutes les antennes doivent être dégagées au maximum et éloignées d'un mètre au minimum de toute pièce métallique. Le SWR, quand on le teste, ne doit pas excéder 1 :1,3 avec l'antenne installée sur le bateau.

EGS

(Electronic Gyro-Stabilized)
Le système EGS permet de compenser les mouvements du bateau avec la compensation la plus rapide et précise disponible aujourd'hui sur le marché.

CRJ et MCRJ

(Coaxial Rotating Joint)
Il permet à l'antenne de tourner à l'infini sur elle-même sur l'axe horizontal, puisque grâce à ce système il ne faut pas rembobiner le câble coaxial.

NIT

(Network Identification Table)
Il s'agit d'un contrôle spécial utilisé de façon à s'assurer que l'antenne est en train de traquer juste le satellite que vous désirez, puisque le petit angle de séparation entre un satellite et l'autre pourrait engendrer des problèmes dans la poursuite des satellites.

PORTÉE TYPIQUE

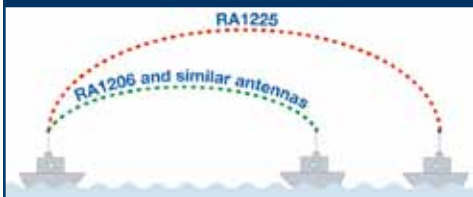
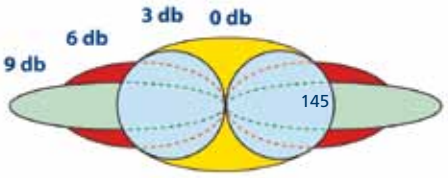


DIAGRAMME DE GAIN



GENERALITÀ

Un apparato trasmittente e/o ricevente è composto da tre parti distinte: l'apparecchio ricetrasmittente, il cavo coassiale ed i connettori di collegamento all'antenna. Cavi, connettori ed antenna, sono ancora oggi, elementi spesso trascurati, eppure influenzano molto le prestazioni.
Per ogni frequenza, l'antenna, oltre ad essere libera in ogni direzione, deve avere precisi requisiti elettrici ed elettronici e Glomex è da sempre impegnata per il costante sviluppo e la ricerca di nuove soluzioni evolutive.
Nella scelta di un'antenna è opportuno discutere con il dealer e/o l'installatore, il dettaglio del montaggio in relazione all'apparato scelto. Se ciò non è possibile, alcuni chiarimenti che seguono possono essere utili come criteri di base nella selezione dell'antenna giusta.

ALTEZZA

Per le trasmissioni VHF e UHF, in genere a maggiore altezza dell'antenna corrispondono migliori prestazioni. Per ogni configurazione abbiamo quindi provveduto a rendere schematicamente l'imbarcazione ottimale di utilizzo di ogni antenna Glomex. Seguendo tale indicazione difficilmente si compiono scelte errate: saranno la scelta degli accessori e dei cavi originali Glomex e la fase dell'installazione fattori determinanti per il miglior risultato pratico.

GUADAGNO

È il dato saliente delle caratteristiche tecniche di un'antenna. È espresso in dB e con il suo crescere aumenta la portata della comunicazione. D'altra parte un guadagno elevato riduce l'ampiezza del diagramma di radiazione: ciò significa che con bassi guadagni la ricezione e la trasmissione sono meno influenzate da rollio e beccheggio anche se con portata minore, man mano che il gain cresce si ha una portata maggiore ma rollio o beccheggio possono portare ad una diminuzione del segnale. Per questi motivi su barche plananti è consigliabile l'impiego di antenne ad alto guadagno. Su imbarcazioni a vela invece è consigliabile un'antenna di tipo ground plane. (RA108)

POLARIZZAZIONE

Ogni antenna ha una sua polarizzazione, ovvero un piano preferenziale di funzionamento che deve essere rispettato il più possibile. Per esempio, le antenne VHF, per telefoni cellulari e SSB hanno polarizzazione verticale e diminuiscono il loro guadagno all'aumentare dell'inclinazione. Inoltre il fenomeno è influenzato dalla frequenza: le perdite di guadagno sono maggiori alle alte frequenze e diminuiscono poi con la frequenza.
Le antenne TV hanno polarizzazione orizzontale ed è quindi indispensabile che lavorino in tale posizione.
Nel caso delle omnidirezionali il fenomeno è meno evidente che nel caso delle direzionali, che hanno un angolo di ricezione tanto "stretto" da permettere eccellenti risultati se ben orientate ma che, per rollio, beccheggio o inclinazione, possono facilmente "perdere" il segnale.

SUPPORTI ACCESSORI E INSTALLAZIONE

L'importanza di questi particolari è spesso sottovalutata! La serie degli accessori Glomex è stata studiata per risolvere in modo corretto qualsiasi problematica di installazione. Anche per tali importanti complementi delear e tecnici sono in grado di dare utili e precisi suggerimenti.

ACCESSORI E CAVI COASSIALI

Accorciare i cavi coassiali Glomex, non dovrebbe crearvi dei problemi. Ricordate solamente che più un cavo è corto, più aumentano le performance dell'antenna. Il cavo può essere tagliato seguendo una semplice regola, non tagliare i cavi più corti di due metri nelle antenne VHF. Evitare di accorciare i cavi delle antenne C.B. Non esistono problemi, invece, con i cavi delle antenne televisive.

DC GROUND DELL'ANTENNA

Misurando con un tester in Ohm un'antenna si verifica che vi è un corto circuito. Tale soluzione costruttiva serve per ridurre le correnti statiche che si possono creare nell'antenna senza ricorrere ad un collegamento a massa e Glomex adotta questo schema per tutte le sue antenne. Grazie al circuito interno che minimizza le correnti statiche, le antenne Glomex non richiedono collegamenti a massa.

FREQUENZA TIPICA

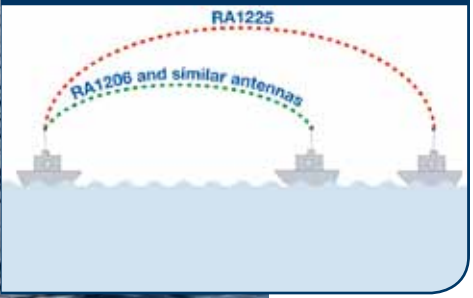
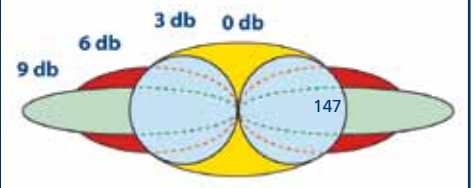


DIAGRAMMA DEL GUADAGNO



SWR

(Stationary Wave Return)
È la parte di radiofrequenza che l'antenna non irradia a causa del ritorno di onde stazionarie. Un rapporto di 1.5:1 è considerato il massimo accettabile. Tutte le antenne Glomex hanno valori di SWR migliori di tale valore. Tuttavia, il ritorno di onde stazionarie dipende anche dalla posizione dell'antenna, che deve essere ad una distanza minima di 1 m da qualsiasi altro elemento metallico. In situazioni diverse, il valore di SWR misurato può differire da quello misurato da Glomex nel collaudo

EGS

(Electronic Gyro-Stabilized)
I giroscopi elettrici installati direttamente sul disco dell'antenna permettono di controbilanciare i movimenti della barca per una compensazione più veloce e precisa del rollio e del beccheggio disponibile oggi sul mercato.

CRJ e MCRJ

(Coaxial Rotating Joint)
Permette all'antenna di ruotare su se stessa all'infinito, poiché non è necessario il riavvolgimento del cavo coassiale.

NIT

(Network Identification Table)
È uno speciale controllo per assicurarsi che l'antenna agganci esattamente il satellite che volete, dato che il piccolo angolo di separazione fra un satellite e l'altro potrebbe generare problemi nel mantenimento del segnale.

SATELLITE TV ANTENNAS

Inflatable R.I.B. | Sail Boat | Power Boat | Big Yacht | Commercial Ship | River Boat

ANTENNA NAME	URANIA 2	PANDORA	VENUS	RHEA	SATURN 1
ANTENNA CODE	V9331	V8001	V9000	V8100	V9100
ANTENNA DISH DIAMETER	330 mm (13”)	390 mm (15”)	390 mm (15”)	470 mm (18”)	470 mm (18”)
RADOME DIMENSIONS (diameter x height)	365 x 397 mm (14 x 15.5”)	420 x 455 mm (16 x 18”)	420 x 500 mm (16 x 20”)	500 x 560 mm (20 x 22”)	500 x 560 mm (20 x 22”)
ANTENNA WEIGHT	4,5 kg (9,92 lb)	6,0 kg (13,23 lb)	10 kg (22,04 lb)	8 kg (17,6 lb)	12,5 kg (27,50 lb)
TRACKING RATE	50°/sec	50°/sec	50°/sec	50°/sec	50°/sec
ANTENNA GAIN	31,5 dB	33 dB (12 GHz)	33 dB (12 GHz)	35 dB (12 GHz)	35 dB (12 GHz)
DISH TYPE	Prime Focus + HPD	Prime Focus + HPD	Prime Focus + HPD	Prime Focus + HPD	Prime Focus + HPD
POLARIZATION	Linear (H+V)	Linear (H+V)	Linear (H+V)	Linear V/H	Linear (H+V)
LNB FREQUENCY RANGE	10,7 - 12,75 GHz LNB universal	10,7 - 12,75 GHz LNB universal	10,7 - 12,75 GHz LNB universal	10.7 to 12.75 GHz universal	10,7 - 12,75 GHz LNB universal
RADOME TYPE	U.V. resistant	U.V. resistant	U.V. resistant	UV resistant	U.V. resistant
POWER CONSUPTION	12 Vdc (1 Ah)	12 Vdc (1,5 Ah)	12-24 Vdc (2 Ah)	12 Vdc (1,5 Ah)	12-24 Vdc (2,5 Ah)
POWER REQUIREMENT	2 A	2 A	3 A	3 A	3 A
OPERATING TEMPERATURE RANGE	- 20° + 55°	- 20° + 55°	- 20° + 55°	-20° C to +55° C	- 20° + 55°
AZIMUTH TURN RANGE	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
FULL ELEVATION RANGE	- 9° + 81°	- 9° + 81°	5° - 90°	-9° to 81°	5° - 90°
TYPE OF STABILIZATION	gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis + 3° axis by interpolation	Gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis + 3° axis by interpolation
SATELLITE IDENTIFICATION	NIT (Network Information Table)	NIT (Network Information Table)	NIT (Network Information Table)	NIT (Network Information Table)	NIT (Network Information Table)
MIN EIRP	52 dBW	50 dBW	50 dBW	49 dBW	49 dBW
FUTURE UPGRADES READY	Yes	Yes	Yes	Yes	Yes
DECODER OUTPUT	1 output	1 output	1 output	1 output	1 output
AUTOSKEW OPTION	No	No	No	No	No
CONTROL UNIT	3 satellites loaded: ASTRA1 19°E - ASTRA2 28°E - HOTBIRD 13°E	3 satellites loaded: ASTRA1 19°E - ASTRA2 28°E - HOTBIRD 13°E	8 satellites loaded	3 satellites loaded: ASTRA2 28°E - ASTRA1 19°E - HOTBIRD 13°E	8 satellites loaded
VESSEL TYPE					

ANTENNA NAME	SATURN 4	MARS 1	MARS 4	DANUBE	RHINE
ANTENNA CODE	V9104	V9801	V9804	R8500	R9804
ANTENNA DISH DIAMETER	470 mm (18”)	600 mm (24”)	600 mm (24”)	460 mm (18”) x 260 mm (10”)	600 mm (24”)
RADOME DIMENSIONS (diameter x height)	500 x 560 mm (20 x 22”)	660 x 660 mm (26 x 26”)	660 x 660 mm (26 x 26”)	560 mm (22”) x 340 mm (13”)	660 x 660 (26 x 26”)
ANTENNA WEIGHT	13 kg (28,50 lb)	15 kg (33,07 lb)	15,5 kg (34,17 lb)	7 kg (15,4 lb)	15,5 kg (34,17 lb)
TRACKING RATE	50°/sec	50°/sec	50°/sec	AZ 25°/sec EL 15°/sec	50°/sec
ANTENNA GAIN	35 dB (12 GHz)	36,5 dB (12 GHz)	36,5 dB (12 GHz)	34 db	36,5 dB (12GHz)
DISH TYPE	Prime Focus + HPD	Prime Focus + HPD	Prime Focus + HPD	OFFSET	Prime Focus + HPD
POLARIZATION	Linear (H+V)	Linear (H+V)	Linear (H+V)	Linear V/H	Linear V/H
LNB FREQUENCY RANGE	10,7 - 12,75 GHz LNB universal	10,7 - 12,75 GHz LNB universal	10,7 - 12,75 GHz LNB universal	10.7 to 12.75 GHz universal	10.7 to 12.75 GHz
RADOME TYPE	U.V. resistant	U.V. resistant	U.V. resistant	UV resistant	UV resistant
POWER CONSUPTION	12-24 Vdc (2,5 Ah)	12-24 Vdc (3 Ah)	12-24 Vdc (3 Ah)	11.5 ÷ 13.8 VDC / 0.9 A/h	12 - 24 Vdc (3 Ah)
POWER REQUIREMENT	3 A	5 A	5 A	3 A	5 A
OPERATING TEMPERATURE RANGE	- 20° + 55°	- 20° + 55°	- 20° + 55°	-20° C to +55° C	-20° C to +55° C
AZIMUTH TURN RANGE	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
FULL ELEVATION RANGE	5° - 90°	15° - 90°	15° - 90°	15° - 60°	5° - 90°
TYPE OF STABILIZATION	gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis + 3° axis by interpolation	gyro on 2 axis	gyro on 2 axis + 3° axis by interpolation
SATELLITE IDENTIFICATION	NIT (Network Information Table)	NIT (Network Information Table)	NIT (Network Information Table)	SSI (Sync Satellite Identification)	NIT (Network Information Table)
MIN EIRP	49 dBW	47 dBW	47 dBW	49 dBW	47 dBW
FUTURE UPGRADES READY	Yes	Yes	Yes	Yes	Yes
DECODER OUTPUT	4 output to multiswitch (max 16 output)	1 output	4 output to multiswitch (max 16 output)	1 output	4 outputs to multiswitch (max 14 output)
AUTOSKEW OPTION	Yes	No	Yes	No	Yes
CONTROL UNIT	8 satellites loaded	8 satellites loaded	8 satellites loaded	3 satellites loaded: ASTRA2 28°E - ASTRA1 19°E - HOTBIRD 13°E	8 satellites loaded
VESSEL TYPE					

SATELLITE TV ANTENNAS

OMNIDIRECTIONAL ANALOG-DIGITAL TV ANTENNAS

Inflatable R.I.B. | Sail Boat | Power Boat | Big Yacht | Commercial Ship

ANTENNA NAME	AVIOR	TALITHA	ALTAIR	NASHIRA	NASHIRA	NASHIRA	ADHARA
ANTENNA CODE	VT300	9125/12	V9126	V9112/12EC	V9112/12AB A/B SWITCH	V9112/12 AMP BY PASS	V9150/12
ANTENNA DIAMETER	100 mm (4”)	250 mm (10”)	250 mm (10”)	370 mm (14”)	370 mm (14”)	370 mm (14”)	370 mm (14”)
ANTENNA HEIGHT	210 mm (8”)	120 mm (5”) [151 mm (5,9”) with shark fin]	300 mm (12”)	185 mm (7”) [240 mm (9,5”) with shark fin]	185 mm (7”) [240 mm (9,5”) with shark fin]	185 mm (7”) [240 mm (9,5”) with shark fin]	185 mm (7”) [240 mm (9,5”) with shark fin]
BASE DIAMETER	25 mm (1”)	25 mm (1”)	25 mm (1”)	25 mm (1”)	25 mm (1”)	25 mm (1”)	25 mm (1”)
ANTENNA WEIGHT	250 g (8,81 oz)	350 g (12,34 oz) [405 g (14,29 oz) with shark fin]	430 g (15,17 oz)	900 g (31,74 oz) [975 g (34,39 oz) with shark fin]	900 g (31,74 oz) [975 g (34,39 oz) with shark fin]	900 g (31,74 oz) [975 g (34,39 oz) with shark fin]	900 g (31,74 oz) [975 g (34,39 oz) with shark fin]
RADOME MATERIAL	U.V. resistant ASA	U.V. resistant ASA	U.V. resistant ASA	U.V. resistant ASA	U.V. resistant ASA	U.V. resistant ASA	U.V. resistant ASA
ANGLE OF RECEPTION	360°	360°	360°	360°	360°	360°	360°
POLARIZATION	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical
IMPEDANCE	75 ohm	75 ohm	75 ohm	75 ohm	75 ohm	75 ohm	75 ohm
FREQUENCY RANGE	40/890 MHz	40/890 MHz	40/890 MHz	40/890 MHz	40/890 MHz	40/890 MHz	40/890 MHz
GAIN AVERAGE	24,5 dB	26 dB	27,5 dB	27,5 dB	27,5 dB	27,5 dB	36 dB
NOISE FACTOR	1,7 dB	2,2 dB	2,1 dB	2,2 dB	2,1 dB	2,1 dB	2,1 dB
POWER CONSUPTION	20 mA	20 mA	20 mA	20 mA	20 mA	20 mA	20 mA
POWER SUPPLY	12 Vdc	12-24 Vdc	12-24 Vdc	12-24 Vdc	12 Vdc	12-24 Vdc	12-24 Vdc
ADJUSTABLE GAIN	No	Yes	Yes	Yes	Yes	Yes	Yes
ANTENNA AMPL/BY PASS	No	No	Yes	No	No	**Yes**	no
A/B SWITCH	No	No	No	No	**Yes**	No	Yes
TV SET MAX	1	2	2	2	2	2	6
TERMINATION	F female	F female	F female	F female	F female	F female	F female
CONNECTOR SUPPLIED	F male gold planed connector (V9144)	F male gold planed connector (V9144)	F male gold plated connector (V9144)	F male gold planed connector (V9144)	F male gold planed connector (V9144)	F male gold planed connector (V9144)	F male gold planed connector (V9144)
VESSEL TYPE							

ANTENNA CODE	V9130 POLARIS	V9160VENUS	V9160SATURN	V9160MARS
ANTENNA DIAMETER	370 mm (14'')	420 mm (16'')	500 mm (20'')	660 mm (26'')
ANTENNA HEIGHT	260 mm (10'')	500 mm (20'')	560 mm (22'')	660 mm (26'')
BASE DIAMETER	25 mm (1'')	420 mm (16'')	500 mm (20'')	660 mm (26'')
ANTENNA WEIGHT	1,5 kg (3,31 lb)	8 kg (17,63 lb)	8 kg (17,63 lb)	10 kg (22,04 lb)
RADOME MATERIAL	U.V. resistant ASA	U.V. resistant	U.V. resistant	U.V. resistant
ANGLE OF RECEPTION	60°	60°	60°	60°
POLARIZATION	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical
IMPEDANCE	75 ohms	75 ohms	75 ohms	75 ohms
FREQUENCY RANGE	170/220 MHz (VHF) 470/860 MHz (UHF)	170/220 MHz (VHF) 470/860 MHz (UHF)	170/220 MHz (VHF) 470/860 MHz (UHF)	170/220 MHz (VHF) 470/860 MHz (UHF)
GAIN AVERAGE	36 dB	27,5 dB	27,5 dB	27,5 dB
NOISE FACTOR	2,1 dB	2,1 dB	2,1 dB	2,1 dB
POWER CONSUPTION	300 mA (motor moving) 150 mA (stand by mode)	300 mA (motor moving) 150 mA (stand by mode)	300 mA (motor moving) 150 mA (stand by mode)	300 mA (motor moving) 150 mA (stand by mode)
POWER SUPPLY	12 Vdc	12-24 Vdc	12-24 Vdc	12-24 Vdc
ADJUSTABLE GAIN	Yes	Yes	Yes	Yes
ANTENNA AMPL/BY PASS	Yes	Yes	Yes	Yes
A/B SWITCH	No	No	No	No
TV SET MAX	2	2	2	2
TERMINATION	F female	F female	F female	F female
CONNECTOR SUPPLIED	F male gold plated connector (V9144)	F male gold plated connector (V9144)	F male gold plated connector (V9144)	F male gold plated connector (V9144)
VESSEL TYPE				

VHF ANTENNAS

Inflatable R.I.B. | Sail Boat | Power Boat | Big Yacht | Commercial Ship

ANTENNA CODE	RA121	RA124	RA104SSAUS	RA104NYAUS	RA106SLSPB	RA106GRPPB	RA106SLSPB6135	RA106GRPPB6135
FREQUENCY RANGE	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz
GAIN AVERAGE	1 dB	1 dB	3 dB	3 dB	3 dB	3 dB	3 dB	3 dB
IMPEDANCE	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	50 W	50 W	100 W	100 W	100 W	100 W	100 W	100 W
DC GROUND	No	No	Yes	Yes	Yes	Yes	Yes	Yes
ANTENNA LENGHT	210 mm (8”)	300 mm (12”)	1 m (3’)	1 m (3’)	900 mm (35”)	900 mm (35”)	900 mm (35”)	900 mm (35”)
ANTENNA WEIGHT	250 g (8,81 oz)	430 g (15,17 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)
TERMINATION	SO239 for PL259 male connector	SO239 for PL259 male connector	cable	cable	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector
VESSEL TYPE								

ANTENNA CODE	RA106SLSRIB	RA106GRPRIB	RA106SLSSB18	RA106GRPSB18	RA106SLSSB25	RA106GRPSB25	RA109SLS	RA109GRP
FREQUENCY RANGE	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB	3 dB	3 dB	3 dB	3 dB	3 dB	3 dB
IMPEDANCE	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
SWR	1,3 at 156,8 MHz	1,3 at 156,8 MHz	1,3 at 156,8 MHz	1,3 at 156,8 MHz	1,3 at 156,8 MHz	1,3 at 156,8 MHz	1,3 at 156,8 MHz	1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W	100 W	100 W	100 W	100 W	100 W	100 W
DC GROUND	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ANTENNA LENGHT	900 mm (35”)	900 mm (35”)	900 mm (35”)	900 mm (35”)	900 mm (35”)	900 mm (35”)	900 mm (35”)	900 mm (35”)
ANTENNA WEIGHT	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)	180 g (6,35 oz)
TERMINATION	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector	SO239 for PL259 male connector	SO239 for PL259 male connector
VESSEL TYPE								

ANTENNA CODE	RA112	RA112CR	RA1206NY	RA1206CR	RA113	RA500
FREQUENCY RANGE	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB	6 dB	6 dB	6 dB	9 dB
IMPEDANCE	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W	100 W	100 W	100 W	100 W
DC GROUND	Yes	Yes	Yes	Yes	Yes	Yes
ANTENNA LENGHT	1,5 m (5')	1,5 m (5')	2,4 m (8')	2,4 m (8')	2,7 m (9')	6,4 m (21') - two pieces (4 + 2,4 m)
ANTENNA WEIGHT	450 g (15,90 oz)	580 g (20,45 oz)	456 g (16,08 oz)	670 g (23,63 oz)	960 g (33,90 oz)	2,95 Kg (6,50 lb)
TERMINATION	Cable	Cable	Cable	Cable	Cable	Cable
VESSEL TYPE						

ANTENNA CODE	RA1225	RA2022/18AUS	RA2022/25AUS	RA111	RA114	RA2025
FREQUENCY RANGE	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz
GAIN AVERAGE	6 dB	3 dB	3 dB	1 dB	1 dB	3 dB
IMPEDANCE	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W	50 W	50 W	50 W	50 W	100 W
DC GROUND	Yes	Yes	Yes	No	No	Yes
ANTENNA LENGHT	2,4 m (8')	1,5 m (5')	1,5 m (5')	140 mm (5")	350 mm (14")	1 m (3')
ANTENNA WEIGHT	742 g (26,17 oz)	400 g (14,10 oz)	400 g (14,10 oz)	220 g (7,76 oz)	900 g (31,74 oz)	150 g (5,29 oz)
TERMINATION	Cable	Cable	Cable	RA106 solderless connector	RA106 solderless connector	RA106 solderless connector
VESSEL TYPE						

VHF ANTENNAS

Inflatable R.I.B. Sail Boat Power Boat Big Yacht Commercial Ship

AIS ANTENNAS - SSB ANTENNAS - AM/FM ANTENNAS

AIS ANTENNAS

ANTENNA CODE	RA111AIS	RA110AIS
FREQUENCY RANGE	161,975 - 162,025 MHz	161,975 - 162,025 MHz
POLARIZATION	Vertical	Vertical
IMPEDANCE	50 ohms	50 ohms
SWR	≤ 1,2 at 162 MHz	≤ 1,2 at 162 MHz
MAX INPUT POWER	50 W	50 W
GAIN AVERAGE	1 dB	3 dB
DC GROUND	No	No
ANTENNA LENGHT	140 mm (5")	1 m (3')
ANTENNA WEIGHT	220 g (7,76 oz)	536 g (18,90 oz)
TERMINATION	SO239 for PL259 male connector	SO239 for PL259 male connector
VESSEL TYPE		

SSB ANTENNAS

ANTENNA CODE	RA600	RA700
FREQUENCY RANGE	2 - 30 MHz with tuners	2 - 30 MHz with tuners
POLARIZATION	-	-
IMPEDANCE	N.A.	N.A.
SWR	-	-
MAX INPUT POWER	400 W	800 W
GAIN AVERAGE	N.A.	N.A.
DC GROUND	-	-
ANTENNA LENGHT	7 m (23') - two pieces (4 + 3 m)	7 m (23') - two pieces (4 + 3 m)
ANTENNA WEIGHT	2,16 kg (4,76 lb)	2,514 kg (5,54 lb)
TERMINATION	side feed termination bolt	central feed
VESSEL TYPE		

AM/FM ANTENNAS

ANTENNA CODE	RA1281	RA128	RA128/18	RA128/25	RA1288
FREQUENCY RANGE	AM 550 - 1600 KHz/ FM 88 - 108 MHz	AM 550 - 1600 KHz/ FM 88 - 108 MHz	AM 550 - 1600 KHz/ FM 88 - 108 MHz	AM 550 - 1600 KHz/ FM 88 - 108 MHz	AM 550 - 1600 KHz/ FM 88 - 108 MHz
POLARIZATION	-	-	-	-	-
IMPEDANCE	93 ohms	93 ohms	93 ohms	93 ohms	93 ohms
SWR	-	-	-	-	-
MAX INPUT POWER	-	-	-	-	-
GAIN AVERAGE	-	-	-	-	-
DC GROUND	-	-	-	-	-
ANTENNA LENGHT	300 mm (12")	1,5 m (5')	1,5 m (5')	1,5 m (5')	2,4 m (8')
ANTENNA WEIGHT	267 g (9,42 oz)	490 g (17,28 g)	400 g (14,10 oz)	400 g (14,10 oz)	600 g (21,16 oz)
TERMINATION	Motorola plug	Motorola plug	Motorola plug	Motorola plug	Motorola plug
VESSEL TYPE					

VHF PROFESSIONAL

ANTENNA CODE	RA108	RA110	RA444	RA800	RA820
FREQUENCY RANGE	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz	156/162 MHz
GAIN AVERAGE	3 dB	3 dB	3 dB	9 dB	9 dB
IMPEDANCE	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
POLARIZATION	Vertical	Vertical	Vertical	Vertical	Vertical
SWR	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz	≤ 1,3 at 156,8 MHz
MAX INPUT POWER	100 W	100 W	100 W	100 W	100 W
DC GROUND	Yes	Yes	Yes	Yes	Yes
ANTENNA LENGHT	1,2 m (4')	1 m (3')	1 m (3')	7 m (23') - two pieces (4 + 3 m)	7 m (23') - two pieces (4 + 3 m)
ANTENNA WEIGHT	770 g (27,16 oz)	536 g (18,90 oz)	150 g (5,29 oz)	8,45 Kg (18,63 lb)	9,1 Kg 20,06 lb)
TERMINATION	SO239 for PL259 male connector	N female for N male connector	SO239	Cable	Cable
VESSEL TYPE					

SSB PROFESSIONAL

ANTENNA CODE	RA703	RA704	RA900	RA920
FREQUENCY RANGE	2 – 30 MHz with tuners	2 – 30 MHz with toner	2 - 30 MHz	2 - 30 MHz
POLARIZATION	-	-	-	-
IMPEDANCE	N.A.	N.A.	N.A.	N.A.
SWR	-	-	-	-
MAX INPUT POWER	800W	800W	800 W	800 W
GAIN AVERAGE	N.A.	N.A.	-	-
DC GROUND	-	-	-	-
ANTENNA LENGHT	7 m (23') – three pieces (2,35 + 2,35 + 2,30 m)	7 m (23') – three pieces (2,35 + 2,35 + 2,30 m)	7 m (23') - two pieces (4 + 3 m)	7 m (23') - two pieces (4 + 3 m)
ANTENNA WEIGHT	2,465 kg (5,4 lb)	2,390 kg (5,27 lb)	10 kg (22,04 lb)	10 kg (22,04 lb)
TERMINATION	side feed termination bolt	side feed termination bolt	side feed termination bolt	self-supporting mount
VESSEL TYPE				

MOBILE PHONE ANTENNAS - ORBCOMM ANTENNAS - CB ANTENNAS

MOBILE PHONE ANTENNAS

ANTENNA CODE	RA160	RA161
FREQUENCY RANGE	800 - 980 MHz 1800 - 1900 MHz	800 - 980 MHz
POLARIZATION	Vertical	Vertical
IMPEDANCE	50 ohms	50 ohms
SWR	-	-
MAX INPUT POWER	100 W	50 W
GAIN AVERAGE	6 dB	6 dB
DC GROUND	Yes	Yes
ANTENNA LENGHT	600 mm (24")	2,4 m (8')
ANTENNA WEIGHT	510 g (18 oz)	742 g (26,17 oz)
TERMINATION	N female for N male connector	cable
VESSEL TYPE		

MOBILE PHONE ANTENNAS

ANTENNA CODE	RA127	RA1278
FREQUENCY RANGE	27 MHz	27 MHz
POLARIZATION	Vertical	Vertical
IMPEDANCE	50 ohms on channel 20	50 ohms on channel 20
SWR	≤ 1,2	≤ 1,2
MAX INPUT POWER	50 W	50 W
GAIN AVERAGE	Unity	Unity
DC GROUND	Yes	Yes
ANTENNA LENGHT	1,5 m (5')	2,4 m (8')
ANTENNA WEIGHT	450 g (15,90 oz)	786 g (27,72 oz)
TERMINATION	cable	cable
VESSEL TYPE		

ORBCOMM ANTENNAS

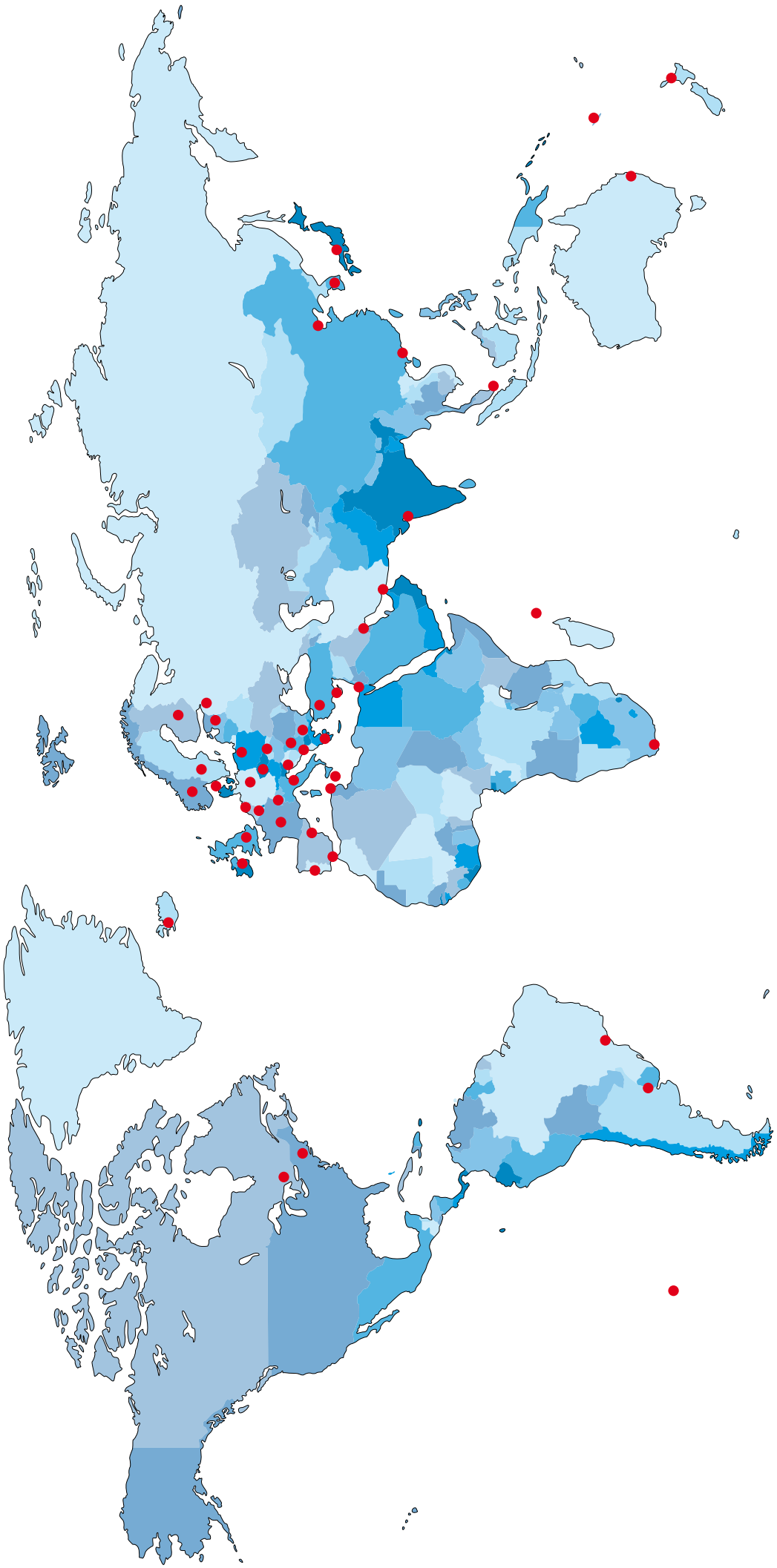
ANTENNA CODE	RA106ORBC	RA109ORBC
FREQUENCY RANGE	TX150 - RX137 MHz	TX150 - RX137 MHz
POLARIZATION	Vertical	Vertical
IMPEDANCE	50 ohms	50 ohms
SWR	-	-
MAX INPUT POWER	-	-
GAIN AVERAGE	3 dB	3 dB
DC GROUND	Yes (39")	Yes (39")
ANTENNA LENGHT	1 m (3')	1 m (3')
ANTENNA WEIGHT	180 g (6,35 oz)	180 g (6,35 oz)
TERMINATION	RA106 solderless connector	SO239 for PL259 male connector
VESSEL TYPE		

 Inflatable R.I.B. Sail Boat Power Boat Big Yacht Commercial Ship

DISTRIBUTORS

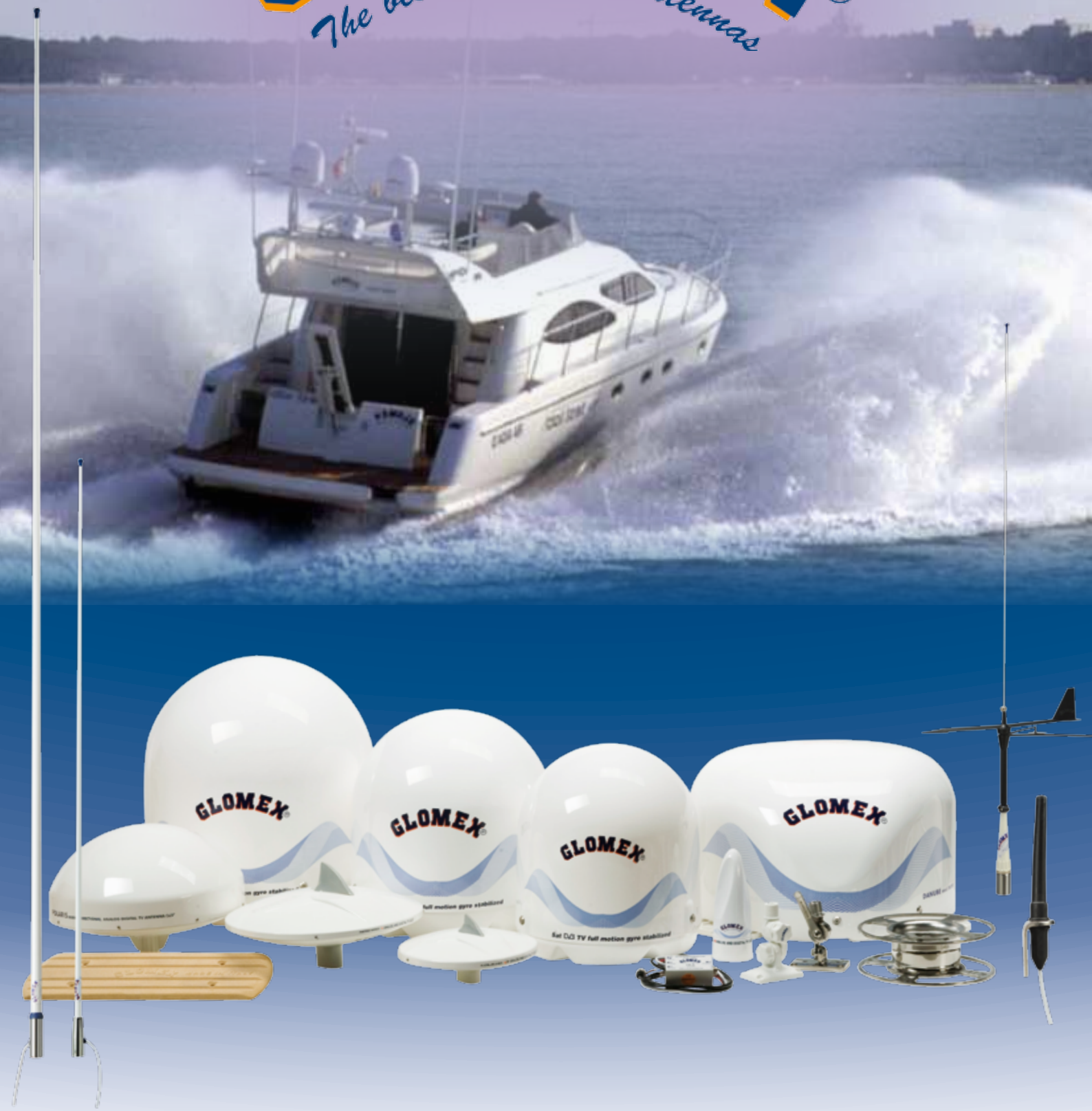
EUROPE	ITALY	GAMAR	+39 0815707007	info@gamaronline.com
		G.F.N.	+39 0499200196	info@gfn.it
		MOTOMARINE	+39 040225571	info@motomarine.it
		OSCULATI - MILANO	+39 022699111	info@osculati.it
		OSCULATI - LUCCA	+39 0583403232	info@lucca.osculati.it
	ALBANIA	JAKEL.CO	+35 5522232035	jakel_ele@mail.com
	AUSTRIA	ALLTECHNIK	+43 2236646760	office@allroundmarin.at
	BELGIUM	ELEKTRO ZEELAND	+32 92255727	martin.vervynck@pandora.be
	BULGARIA	YACHTING BG	+359 56830731	burgas@yachting.bg
	CROATIA	ALMAR	+385 52445005	almar@almar.hr
		ELEKTRO YACHT SERVIS	+385 51854874	electro-yacht-servis@ri.t-com.hr
	CYPRUS	COMAR	+357 22511251	comar@cytanet.com.cy
	DENMARK	PALBY MARINE	+45 75881311	palby@palby.dk
	ESTONIA	BALTIC BOAT CENTER	+372 (6) 396776	info@bbc.ee
	FINLAND	PRONAV OY	+358(0)102291900	sales@pronav.fi
		TELE-TUKKU OY	+358 941332200	eira@tele-tukku.fi
	FRANCE	ACCASTILLAGE BERNARD	+33 493904741	contact@accastillage-bernard.fr
		EUROMARINE S.A.S.	+33 493904706	commande@euromarine.fr
		INTERMER S.A. FRANCE/ACCASTILLAGE DIFFUSION	+33 490470110	intermer@accastillage-diffusion.fr
		REYA	+33 493904700	reya@reya.com
		SERMES DISTRIBUTION	+33 0390404500	sermes-distribution@sermes.fr
	GERMANY	SVB	+49 0421572900	info@svb.de
		NORDWEST- FUNK	+49 4921800888	info@nordwest-funk.de
	GIBRALTAR	H. SHEPPARD & CO. LTD.	+350 77183	info@sheppard.gi
	GREECE	ALEXMARINE	+30 2104129539	alexmarine@otenet.gr
		MOTOCRAFT SA	+30 2109888288	motocraft@motocraft.gr
	HUNGARY	MARITIME HAJOSBOLT	+36 13674905	maritime@hu.inter.net
	ICELAND	AMG AUKARAF EHF	+354 5850000	aukaraf@aukaraf.is
	IRELAND	WESTERN MARINE	+353 12800321	marine@western-marine.com
	LATVIA	REGATE TAKATS	+371 7871933	regate@regate.lv
	LITHUANIA	LAIVO SANDELIS	+37 46411421	s.pigarev@shipstore.lt
	MALTA	CARUANA MARINE CENTER	+356 821332	info@caruanamarine.com
	NETHERLAND	HOLLAND NAUTIC	+31 555412122	info@hollandnautic.nl
	NORWAY	HOLUND ELEKTRONIK	+47 64838200	post@holund.no
		NORWAY MARINE SUPPLY	+47 37000370	salg@maritim.no
		SEATRONIC	+47 69250960	seatronic@seatronic.no
	POLAND	ELJACHT	+48 583207024	info@eljacht.pl
	PORTUGAL	NAUTIRADAR	+351 213005050	comercial@nautiradar.pt

EUROPE	ROMANIA	S.C. EUROCAD	(00)40212104043	rom_audio_video@yahoo.com
	RUSSIA	FORDEWIND REGATA LTD	+7 8122350673	alexander.rusetsky@fordewind.spb.ru
	SERBIA	INFO TEAM D.O.O.	+381 113087-387	info@infoteam.rs
	SLOVAK REPUBLIC	DONAU MARINE	+42 1357742287	donaumarine@donaumarine.com
	SLOVENIA	NAUTIC SERVICE	+386 56261091	info@nautic-service.net
		STAL ELEKTRONIK	+386 14233540	info@stal.si
	SPAIN	SPORTNAV	+34 902108585	ignacio@sportnav.com
	SWEDEN	SPORTMANSHIP	+46 31 7261400	christianolsson@sportmanshipmarine.se
	TURKEY	SARAY DENIZ MALZEMELERI	+90 212 2220878	saray@saray.com.tr
		DEKAMARINE DENIZ MALZEMELERI A.S.	+90 2165112121	info@dekamarine.com
	SWITZERLAND	BAMERT MARINETECHNIK	+41 1 6877700	info@marinetechnik.ch
	UK	MARATHON LEISURE	+44 2392637711	sales@marathonleisure.co.uk
MIDDLE EAST	ISRAEL	YAMIT	+972 35271777	office@yamitysb.co.il
	KUWAIT	SUPER MARINE	+965 (82) 22 88	sales@seadesert.com
	UNITED ARAB EMIRATES	ELCOME	+971 44040100	info@elcome.ae
		GULF DEVELOPMENT SYSTEM	+971 43243131	gds@gdsuae.ae
AFRICA	MOROCCO	M.S.D.M SARL	+212 28825906	mounirmaritime@yahoo.fr
	SEYCHELLES	SEYCHELLES ELECTRONICS	+248 4224752	seycmi@seychelles.net
	SOUTH AFRICA	SEATRONIC TRUST	+27 415859899	seatron@iafrica.com
	TUNISIA	SOCIETE GENERAL EQUIPEMENT	+216 71254352	general.equipement@gnet.tn
OCEANIA	AUSTRALIA	GLOMEX PTY	+61 0755028433	ems@electronicmarine.com.au
	FRENCH POLINESIA	TAHITI DIGIT IMPORT	+689 827511	p.delaveau@tahitidigitimport.pf
	NEW CALEDONIA	MARINE CORAIL	+687 275848	info@marine-corail.nc
	NEW ZEALAND	GLOMEX PTY	+61 0755028433	ems@electronicmarine.com.au
ASIA	CHINA	BEIJING UNISTRONG SCIENCE & TECHNOLOGY	+86 1058275131	overseas@unistrong.com
		JIB/GLOMEX CHINA	+86 13016368163	sales@jib-tech.com
	HONG KONG	PROMAX MARINE LTD	+85 228821000	promaxmarine@promaxinternational.com
	INDIA	PENTA ELECTROMEC	+91 2225378734	penfac@pentaindia.co.in
	JAPAN	COSMOS MARINE	+81 798223780	cosmarin@pure.co.jp
	SINGAPORE	BEST MARINE ELECTRICAL	+65 67440317	bme17@singnet.com.sg
		AEC	+65 62709004	sales@aecsk.com
	SOUTH KOREA	KUMHOMARINE TECH.	+82 512938589	info@kumhomarine.com
NORTH AMERICA	CANADA	WOODARD	+1 9057600245	peggy.ellis@woodardcompany.com
	USA	IMTRA CORP	+1 5089957000	contact@imtra.com
SOUTH AMERICA	ARGENTINA	COSTANERA UNO	+54 1143124545	purchase@costanerauno.com.ar
	BRAZIL	MARINE EXPRESS	+55 1151827166	info@marinexpress.com.br



GLOMEX®

The best in marine antennas



Adrinautica

Regione Emilia Romagna

Progetto realizzato con il contributo della Regione Emilia-Romagna, Assessorato attività produttive, sviluppo economico e piano telematico, Servizio Sportello regionale per l'internazionalizzazione delle imprese

www.glomex.it

Glomex srl • Via Faentina, 165/G • 48124 Ravenna (Italy) - Phone +39 0544 500377 • Fax +39 0544 500420 - sales@glomex.it